

CCCCCCCCCCCCCCCCCCCC

HD WT

1 2 3 4 5 6

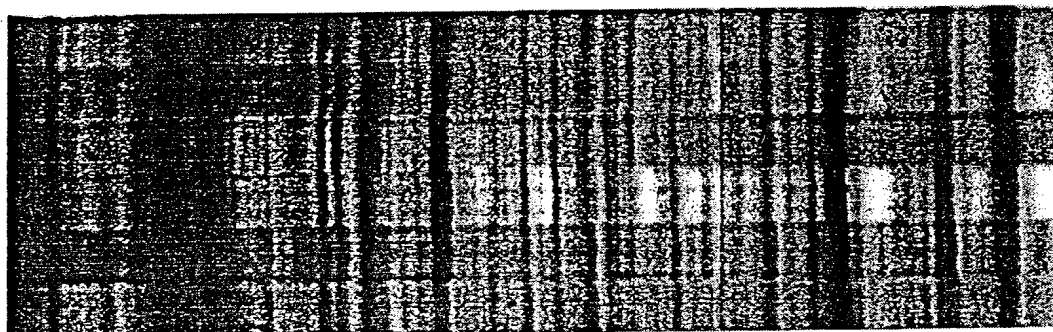


Figure 1

1	071	071	071
2	072	072	072
3	073	073	073
4	074	074	074
5	075	075	075
6	076	076	076
7	077	077	077
8	078	078	078
9	079	079	079
10	080	080	080
11	081	081	081
12	082	082	082
13	083	083	083
14	084	084	084
15	085	085	085
16	086	086	086
17	087	087	087
18	088	088	088
19	089	089	089
20	090	090	090
21	091	091	091
22	092	092	092
23	093	093	093
24	094	094	094
25	095	095	095
26	096	096	096
27	097	097	097
28	098	098	098
29	099	099	099
30	100	100	100
31	101	101	101
32	102	102	102
33	103	103	103
34	104	104	104
35	105	105	105
36	106	106	106
37	107	107	107
38	108	108	108
39	109	109	109
40	110	110	110
41	111	111	111
42	112	112	112
43	113	113	113
44	114	114	114
45	115	115	115
46	116	116	116
47	117	117	117
48	118	118	118
49	119	119	119
50	120	120	120
51	121	121	121
52	122	122	122
53	123	123	123
54	124	124	124
55	125	125	125
56	126	126	126
57	127	127	127
58	128	128	128
59	129	129	129
60	130	130	130
61	131	131	131
62	132	132	132
63	133	133	133
64	134	134	134
65	135	135	135
66	136	136	136
67	137	137	137
68	138	138	138
69	139	139	139
70	140	140	140
71	141	141	141
72	142	142	142
73	143	143	143
74	144	144	144
75	145	145	145
76	146	146	146
77	147	147	147
78	148	148	148
79	149	149	149
80	150	150	150
81	151	151	151
82	152	152	152
83	153	153	153
84	154	154	154
85	155	155	155
86	156	156	156
87	157	157	157
88	158	158	158
89	159	159	159
90	160	160	160
91	161	161	161
92	162	162	162
93	163	163	163
94	164	164	164
95	165	165	165
96	166	166	166
97	167	167	167
98	168	168	168
99	169	169	169
100	170	170	170
101	171	171	171
102	172	172	172
103	173	173	173
104	174	174	174
105	175	175	175
106	176	176	176
107	177	177	177
108	178	178	178
109	179	179	179
110	180	180	180
111	181	181	181
112	182	182	182
113	183	183	183
114	18		

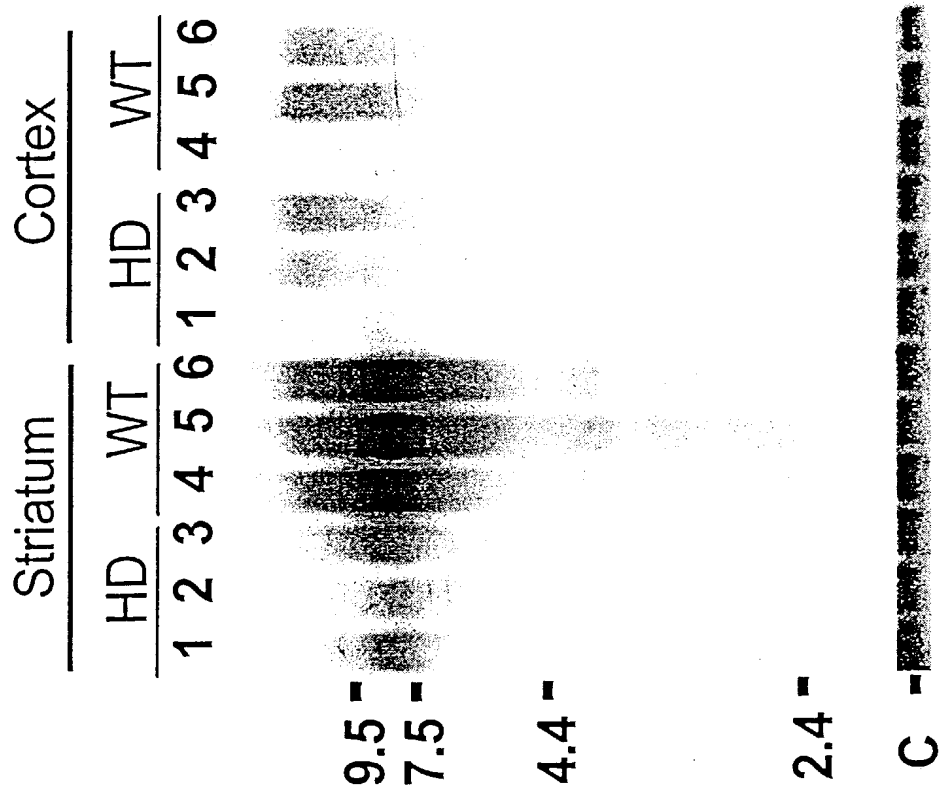


Figure 2

Figure 3

5' 11 21 31 41
 1 TGTATGGGAATAGTGTTTCCATATGATCTGTTGTCTGGAGTATATGCTAC
 ACATACCCTTATCACAAAGGTATACTAGACAACAGACCTCATATACGATG
 probe 1

5' 61 71 81 91
 51 ATGTTTCATTTACTGTACAAAAACCCAGTGCAGCTGATGATGCAAAGCAGT
 TACAAGTAAATGACATGTTT TTGGGTCACGTCGACTACTACGTTTCGTCA

5' 11 21 31 41
 101 CTCTCTCTGTGTACAGTGCCCCACCTATTTAAAAATCACGTACTTGCCCA
 GAGAGAGACACATGTCACGGGGTGGATAAA TTTT TAGTGCATGAACGGGT

5' 61 71 81 91
 151 GAACACTGTGAAACACTTAA CATAAGAACAACGCAGCGTCTGGATTCTT
 CTTGTGACACTTTGTGAATTGTATTCTTGTTTGCGTCGCAGACCTAAGAA

5' 11 probe 2 21 31 41
 201 TCCAAGGAGAGCAGCTTTCTCCACAGGAACACAGTAACAAAAGAGTCCG
 AGGTTCCCTCTCGTCGAAAGAGGTGTCCTTG TGTCATTGTTTCTCTCCAGGC

5' 61 71 81 91
 251 CCGCCATCCACACCCAGCCAAGACACCTCAGAGGCCATAGGGACAACCTC
 GGCGGTAGGTGTGGGTCGGTTCTGTGGAGTCTCCGGTATCCTGTTGGAG

5' 11 21 31 41
 301 CTTGCTGGCCAACACCTGCTGGAGCAGGGG CACAGGTCCCAGCAACTGAT
 GAACGACCGGTTGTGGACGACCTCGTCCCCGTGTCCAGGGTCGTTGACTA

5' 61 71 81 91
 351 CCTCAGTGGA TGGGTCTGCAGCCAAAGCCTTAATGGGCTCTCTTTTGAAG
 GGAGTCACCTACCCAGACGT CGGTTTCGGAATTACCCGAGAGAAAACCTC

5' 11 21 31 41
 401 GGGAAAGAAAGAATTTCAAGCTTATGATATCCAATATTATTATAGTTGAT
 CCCTTTCTTTCTTAAAGTTTGAATACTATAAGTTATAATAATATCAACTA

5' 61 71 81 91
 451 GAGTTAGTAAATTCCAAAAA
 CTCAATCATTTAAGGTTTTTTTTT

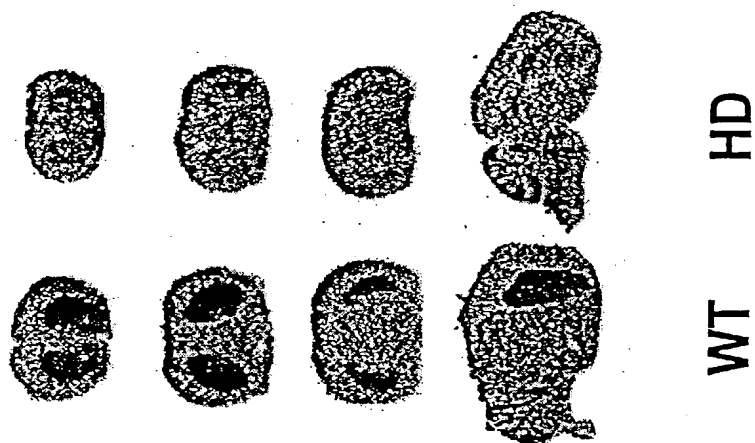


Figure 4

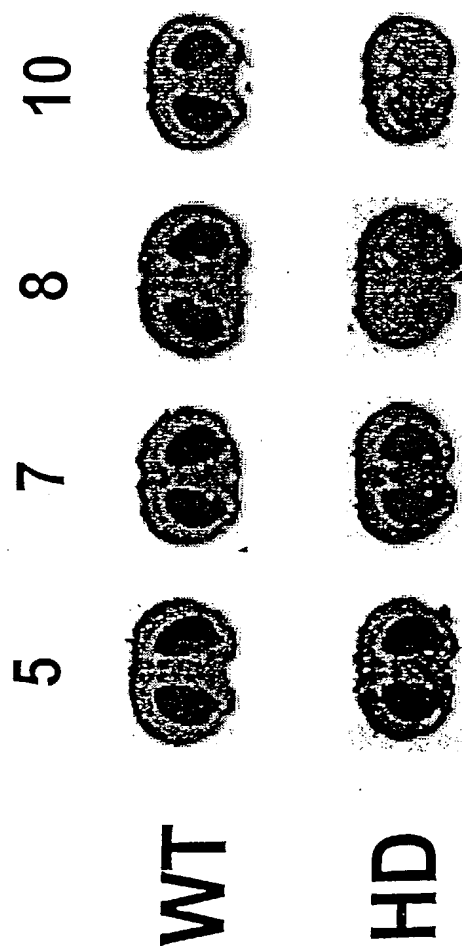


Figure 5



Figure 6

005007 80208960

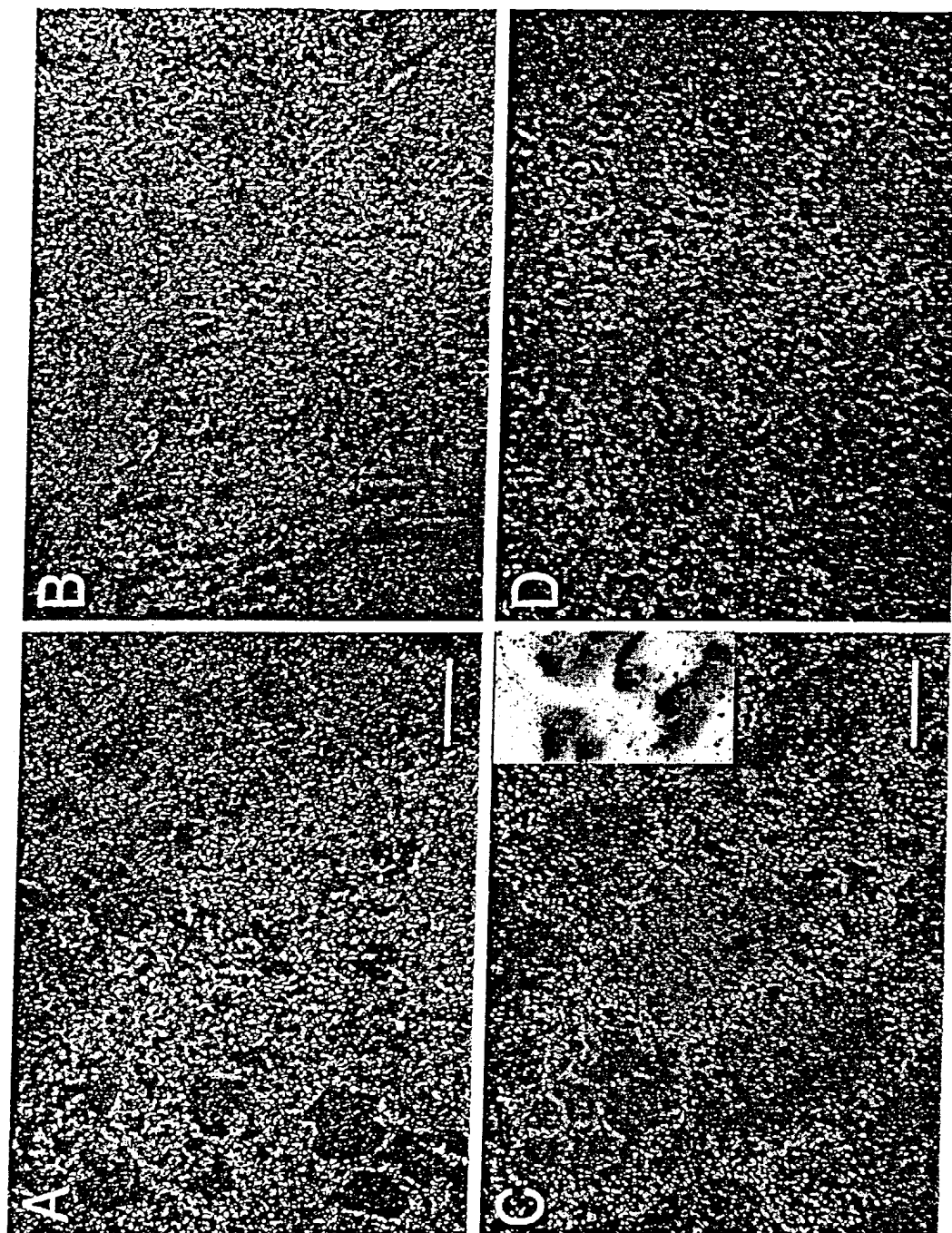


Figure 7

8 / 41

005003 80204500

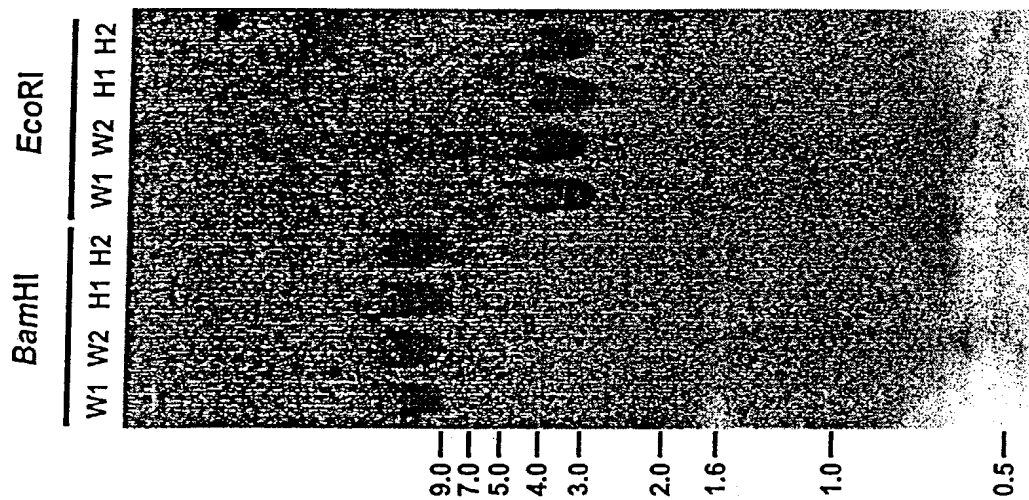


Figure 9

Figure 10

5' 11 21 31 41
1 CACTGAAGCTGGTCCACGTC TATAAACAGG TGACACTGGCTGCAGCAAAA
GTGACTTCGACCAGGTGCAGATATTTGTCCACTGTGACCGACGTCGTTTT

5' 61 71 81 91
51 AGCCATTTCGATCCACACAAA TTGATCTTCTATCATCTTGGAATCTGAATT
TCGGTAAGCTAGGTGTGTTTAACTAGAAGATAGTAGAACCTTAGACTTAA

5' 11 21 31 41
101 GCAGGGAGGAGCAGTATGTAAGACGACCGT TTAATTCAGGCATTCCGAAG
CGTCCCTCCTCGTCATACAT TCTGCTGGCAAATTAAGTCCGTAAGGCTTC

5' 61 71 81 91
151 GCATGAGCGCATGGATTCTGT CACCAAGCGTATAAAAGGA CCCTGGCATT
CGTACTCGCGTACCTAAGACAGTGGTTCGCATATTTTCCTGGGACCGTAA

5' 11 21 31 41
201 GGGAAACCTATGACGGACTGTTTTTGCTGTAGAAAGTAGGGATTTTACAGA
CCCTTTGGATACTGCCTGACAAAAACGACATCTTCATCCC TAAAATGTCT

5' 61 71 81 91
251 AGTCTCCTTGAATTTGCCCTGCCTGGGGCAGTTTTTGCAGAGGAACCTGCC
TCAGAGGAAC TTAAACGGGACGGACCCCGT CAAAACGTCTCCTTGGACGG

5' 11 21 31 41
301 AGAGATTTATTGGCTGGTCA GTCTCTTG TGAATAGTATCATGTGAGAAA
TCTCTAAATAACCGACCAGT CAGAGAACACTTTATCATAGTACACTCTTT

5' 61 71 81 91
351 CAGTTTGTAGAAAAAACTA TACCTGGGAA GACCTTTGCAACATTGTTCC
GTCAAACATCTTTTTTTTGATATGGACCCTTCTGGAAACGTTGTAACAAGG

5' 11 21 31 41
401 TTCCATGGGC CAAGACTCAGTTAGGAGGCATAAATCTGCC CGGAATAAAC
AAGGTACCCGTTCTGAGTCAATCCTCCGTATTTAGACGGGCCTTATTTG

5' 61 71 81 91
451 TAGGCCAGGATACAGCCATGTTTAGTTAATAATTTGGTTTTAGAAATTCAC
ATCCGGTCCTATGTGCGGTACAAATCAATTATTAAACCAAATCTTAAGTG

5' 11 21 31 41
501 ACAGGCAGGATTGGTTTTTTT TGTGTCTTGG CAAGTGGAGCATATTTAACA
TGTCCGTCCTAACCAAAAAACACAGAACC GTTCACCTCGTATAAATTGT

5' 61 71 81 91
551 TACAGGCATGGGAATCCTGCTCTTAGCTTTTCCCACCCTCTTGTCTCAC
ATGTCCGTAC CCTTAGGACGGAGAATCGAAAAGGGTGGGAGAACAGAGTG

5' 11 21 31 41
601 CAAGTTTTTTCTCTCAAAGGTTTCCAGGAATTTCTCATTAAATGGCTGAT
GTTCAAAAAAGAGAGGTTTC CAAAGGTCCTTAAAGAGTAATTACCGACTA

Figure 10 continued

5' 61 71 81 91
651 GCAAACCTTAGTGAATAATAA TGAATATAAA CAATGCTCAC CTCACCAAAA
CGTTTGAATCACTTATTATTACTTATATTT GTTACGAGTG GAGTGGTTTT

5' 11 21 31 41
701 TTATATTATTTG CAGTCATT TGTGATAACA CAAATTTTAT CGCAATGGTT
AATATAATAAACGTCAGTAAACACTATTGTGTTTAAAATAGCGTTACCAA

5' 61 71 81 91
751 ATTATTTAATTTGTGGCCACACACTGTGGTTATCTTTTGTGTGGTTGTT
TAATAAATTAAACACCGGTGTGTGACACCAATAGAAAACAACACCAACAA

5' 11 21 31 41
801 TCTGAGAAAA TGTTCCTTGGATATGTAAGTG CCAATACCAGTGTGAAGTAT
AGACTCTTTTACAAGAACCTATACATTCACGGTTATGGTCACACTTCATA

5' 61 71 81 91
851 TGATCCCGGG CAGCAAAATA CAGCCTAAGG TTTGTAAACATCAATTCTAT
ACTAGGGCCC GTCGTTTTATGTCGGATTCCAACATTTGTAGTTAAGATA

5' 11 21 31 41
901 CTCAGTTCATCAGAGGGCCTGAGAAGCTGCGGGGCAGTGTAAAGTAAAGT
GAGTCAAGTAGTCTCCCGGACTCTTCGACG CCCCCTCACATTTTCATTTCA

5' 61 71 81 91
951 ATGCTGGGCTGGTGGTGGTCAGCCTCCCGC CTGAAGAGTGACCAGTGCTG
TACGACCCGACCAACCACCAGTCGGAGGGCGGACTTCTCACTGGTCACGAC

5' 11 21 31 41
1001 GCCCGACGGA TCGCTGAGATATTCTCCCAT AATGGCAAAAAAATAGGCAG
CGGGCTGCCTAGCGACTCTA TAAGAGGGTATTACCGTTTTTTTATCCGTC

5' 61 71 81 91
1051 TTTGATGTGACCTGTTTAGTGTGGCTCTCCTCTTTTGAGCATGTGTTAGC
AAACTACACTGGACAAATCA CACCGAGAGGAGAAAAC TCGTACACAATCG

5' 11 21 31 41
1101 ATTTTTATTTTATACTCATC CAGTGAAC TCTGCTCTTCCAAGTGTGTTCA
TAAAAATAAAATATGAGTAGGTCACTTGAGACGAGAAGGTTTACACAAGT

5' 61 71 81 91
1151 TGTATGTGCTAGATATATTA GCACAGCCTG CTTTCTGCTG CACAACGCCT
ACATACACGATCTATATAAT CGTGTGCGACGGAAGACGACGTGTTGCGGA

5' 11 21 31 41
1201 TAGAGACCCGGCCTTTCAATGAGCTTAGCTTGTGCTCTGTTTCTGCTCTC
ATCTCTGGGCGGAAAGTTA CTCGAATCGAACACGAGACAAAGACGAGAG

5' 61 71 81 91
1251 TTAGGTCTAAACTATGGTGT CAGTTTTAATAGAACAAAAGTATGCATCTT
AATCCAGATTTGATACCACAGTCAA AATTATCTTGTTTTCATACGTAGAA

Figure 10 continued

5' 11 21 31 41
1301 GCCTTGGCTTGAGCCTTTTCGTTTTCAATGCTGACTTCTCCCTTCTCT
CGGAACCGAACTCGGAAAAGCAAAAGTTACGACTGAAGAGGGGAAGAGA

5' 61 71 81 91
1351 CCTGTGCTCACCTTACCTTTCCAGAGTGTAAGGGACAACCTTTAAGGAGG
GGACACGAGTGGAATGGAAAGGTCTCACATTCCCTGTTGAAAATTCTCTCC

5' 11 21 31 41
1401 CGTGTCCCTGGTAGGGGCATCCCTGTTTAC CAGGTGCCTGTCATCACCCC
GCACAGGGACCATCCCCGTAGGGACAAGTGGTCCACGGACAGTAGTGGGG

5' 61 71 81 91
1451 ACTTGACTGACATCTACCCTGGTGACTATGGGTTCCTCTTGTTGTAGGG
TGAAGTACTGTAGATGGGACCACTGATACCCAAGGAGAACAAACATCCC

5' 11 21 31 41
1501 AACGGTGGCTCCAGGTGGAGGCATCAATCTGTTGGGTTCTGGTTCCCGGC
TTGCCACCGAGGTCCACCTCCGTAGTTAGACAACCCAAGACCAAGGGCCG

5' 61 71 81 91
1551 TGCCTTTGGTTTTGAAAGTCTCTTCTCTGTATATTCCTACCCTGCATTTG
ACGGAAACCAAACTTTTACAGAGAAGAGACATATAAGGATGGGACGTAAAC

5' 11 21 31 41
1601 CTTTGTGTGGTGCTGATGCTGTGCGCAGTAGGATTCTTGGATGACTCTCC
GAAACACACCACGACTACGACACGCGTCATCCTAAGAACCTACTGAGAGG

5' 61 71 81 91
1651 ATCAGTCACAGACTCCCCCTGTTGCAAAGTGTCAGGCTGACTCGACAGTC
TAGTCAGTGTCTGAGGGGGACAACGTTTCAAGTCCGACTGAGCTGTCAG

5' 11 21 31 41
1701 ACCGTAAAATCTGAGTCAGTCACACACAGGCTGTCAGCCACGGCTTCCAC
TGGCATTTTAGACTCAGTCA GTGTGTGTCCGACAGTCGGTGCCGAAGGTG

5' 61 71 81 91
1751 TTGCATGGCTATTCTATTTT CACACGTGAGTTTCTGTTGCTGGCTGGCTG
AACGTACCGATAAGATAAAA GTGTGCACTCAAAGACAACGACCGACCGAC

5' 11 21 31 41
1801 ACTGGCATTATCTATGCTAAGTTGAAATCAGGAGTGCCCAGCAGAGCCCA
TGACCGTAATAGATACGATTCAACTTTAGTCTCACGGGTCTCTCGGGT

5' 61 71 81 91
1851 TCATTCTCACTGTCTTTGAAACAAAGCTGTACGGTTTGATCGATGAACGT
AGTAAGAGTGACAGAACTTTGTTTTCGACATGCCAAACTAGCTACTTGCA

5' 11 21 31 41
1901 ATTTAAAGCATTTTCATGCAATGACAAAGTGCTCAGTAGTGGAAGGCAGGC
TAAATTTTCGTAAAGTACGTTACTGTTTTCACGAGTCATCACCTTCCGTCCG

Figure 10 continued

5' 61 71 81 91
1951 TGTGACCAGTCTGCCTGCTCCTTACTATAATTGTGAGGATTTGTTACTGG
ACACTGGTCAGACGGACGAGGAATGATATTAACACTCCTAAACAATGACC

5' 11 21 31 41
2001 AACAGTACATGGAGGCCTGACCTTGTGGGGGCACAGGGTGGAACCTTAGC
TTGTCATGTACCTCCGGA CTGGAACACCCC CGTGTCCAC CTTGGAATCG

5' 61 71 81 91
2051 TGAATATAGTGTGTGTCTCAAGAGGAAGTCAGGGTACTAGCTCAGTGCTC
ACTTATATCA CACACAGAGTTCTCCTTCAGTCCCATGATCGAGTCACGAG

5' 11 21 31 41
2101 AATCTCCAGGTACTATATATACATTTGCCCCGTTTTATCTCTAATGTGAAA
TTAGAGGTCCATGATATATATGTAAACGGG CAAAATAGAGATTACACTTT

5' 61 71 81 91
2151 TAAATCCCCAAACACTTGTTTATCGTGTAGCGTACCTAAAAGACTATTCT
ATTTAGGGGTTTGTGAACAAATAGCACATCGCATGGATTTTCTGATAAGA

5' 11 21 31 41
2201 ATTATGGGTGTCCCCACTTTCTTGGTTTGGTCACCCCGATCCCCGGTCT
TAATACCCACAGGGGTGAAAGAACCAACCAGTGGGGCTAGGGGGCCAGA

5' 61 71 81 91
2251 TCTGCTGTATCTAGAACAGTGACTATAAATGATGTATGGGAATAGTGTTT
AGACGACATAGATCTTGTCACTGATATTTACTACATACCTTATCACAAA

5' 11 21 31 41
2301 CCATATGATCTGTTGTCTGGAGTATATGCTACATGTTCAATTACTGTACA
GGTATACTAGACAACAGACCTCATATACGATGTACAAGTTAATGACATGT

5' 61 71 81 91
2351 AAAACCCAGTGCAGCTGATGATGCAAAGCAGTCTCTCTCTGTGTACAGTG
TTTTGGGTCA CGTCGACTACTACGTTTCGT CAGAGAGAGACACATGTCAC

5' 11 21 31 41
2401 CCCACCTATTTAAAAATCACGTACAASCC CAGAACACTGTGAAACACTT
GGGGTGGATAAATTTTGTAGTGCATGTTSGGGTCTTGTGACACTTTGTGAA

5' 61 71 81 91
2451 AACATAAGAA CAAACGCAGCGTCTGGATTC TTTCCAAGGAGAGCAGCTTT
TTGTATTCTTGTTTGCGTG CAGACCTAAGAAAGGTTCTCTCGTCGAAA

5' 11 21 31 41
2501 CTCCACAGGAACACAGTAACAAAAGAGGTC CGCCGCCATCCACACCCAGC
GAGGTGTCCTTGTGTCA TTGTTTTCTCCAGGCGGCGGTAGGTGTGGGTG

5' 61 71 81 91
2551 CAAGACACCTCAGAGGCCATAGGGACAACCTCCTTGCTGGCCAACACCTG
GTTCTGTGGAGTCTCCGGTATCCCTGTTGGAGGAACGACCGGTTGTGGAC

Figure 10 continued

5' 11 21 31 41
2601 CTGGAGCAGGGGCACAGGTC CCAGCAACTGATCCTCAGTG GATGGGTCCG
GACCTCGTCC CCGTGTCCAG GGTTCGTTGACTAGGAGTCAC CTACCCAGGC

5' 61 71 81 91
2651 CAGTCAAAGCCTTAATGGGC TCTCTTTTGAAGGGGAAAGAAAGAATTTCA
GTCAGTTTCGGAATTACCCGAGAGAAAAC TCCCCTTTCTTTCTTAAAGT

5' 11 21 31 41
2701 AGCTTATGATATCCAACATTATTATAGTTGATGAGTTAGTAAATTCCAAA
TCGAATACTATAGGTTGTAA TAATATCAACTACTCAATCATTTAAGGTTT

5' 61 71 81 91
2751 AAAAAAAGATGATTTTATATGTATGACATAAAAAAAATCTTTGTAAAGTG
TTTTTTTCTA CTAAATATA CATACTGTATTTTTTTTAGAAACATTTTAC

5' 11 21 31 41
2801 CGCAAGTGCAATAATTTAAAGAGGTCTTATCTTTGCATTTATAAATTATA
GCGTTCACGTTATTAAATTT CTCCAGAATAGAAACGTAAATATTTAATAT

5' 61 71 81 91
2851 AATATTGTACATGTGTGTAAATTTTTCATGTATTCATTTGCAGTCTTTGTA
TTATAACATGTACACACATTAAAAAGTACATAAGTAAACGTCAGAAACAT

5' 11 21 31 41
2901 TTTAAAAAACTTTACTGTTATGTTTGTATAATAGAACATTAATCATTTA
AAATTTTTTTT GAAATGACAA TACAAACATA TTATCTTGTAATTAGTAAAT

5' 61 71 81 91
2951 TTATAACTCAGACAAGGTGTAAATAAATTCATAATTCAAA CAGCCAGTAT
AATATTGAGTCTGTTCCACA TTTATTTAAGTATTAAGTTTGTCCGGTCATA

5' 11 21 31 41
3001 ATATGCATATATGGGTGTTA CATTGCAAAAATCTCTATCTTTGTTCTATT
TATACGTATA TACCACAATGTAACGTTTT TAGAGATAGAAACAAGATAA

5' 61 71 81 91
3051 CACATGCTTAAAGAAGTAAGAAATCTTTTG TGGATATGTAATTATACATA
GTGTACGAATTTCTTCATTCTTTAGAAAACACCTATACATTAATATGTAT

5' 11 21 31 41
3101 TAAAGTATATATATATGTATGATACATGAAATATATTTAGAAATGTTTAT
ATTTTATATATATATACATA CTATGTACTT TATATAAATCTTTACAAGTA

5' 61 71 81 91
3151 AATTTTAATGGATATTCTTTGGTGTGAATAATTGAATACAACATTTTTAA
TTAAATTACCTATAAGAAAC CACACTTATTAACCTTATGTTGTAAAAATT

5' 11 21 31 41
3201 AATGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
TTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT



Figure 11
3236 bp

Figure 12

5' 11 21 31 41
1 AAGTGTAATAAAATAAACA TCTAATAAAAAAATTACATACCATAGAGG
TTCACATTTATTTTATTTGTAGATTATTTT TTTTAATGTA TGGTATCTCC

5' 61 71 81 91
51 AACAAAGATAATTTCTGCCCACTTCATACC CTCCAGCGTA TAGTGTTGAG
TTGTTCTATTAAAGACGGGT TGAAGTATGG GAGGTCGCATATCACAAC TC

5' 11 21 31 41
101 GTTTGGTCTGTTGCTGTGTA TTGTAATGTAATGTTAAATT CTCTACCTGA
CAAACCAGACAACGACACATAACATTACATTACAATTTAAGAGATGGACT

5' 61 71 81 91
151 AGGTCTAGGCCTACAAGTGAATTCTCATGTTTATAGAGTTT TGTGTGCA
TCCAGATCCG GATGTTCACTTAAGAGTACAAATATCTCAAACAACACGT

5' 11 21 31 41
201 AACCTTGTTCTTAATTTAAACTATGGTTAAAAACAAAACAAA ACTGG
TTGGAACAAGGAATTAAATTTTGATACCAATTTTTTGT TTTGTGACC

5' 61 71 81 91
251 CTACAGCCAATAACTGAAGGGGGTTACCTTGTTGAAGGGG TGAAAAGAG
GATGTCGGTTATTGACTTCC CCAATGGAA CAACTTCCCCACCTTTTCTC

5' 11 21 31 41
301 AGAGGAGGAAGAAGGGAGTT CAAGAGAAGGAGAAGAACAA GAGGAGAGGA
TCTCCTCCTTCTTCCCTCAAGTTCTCTTCTTCTTGTTCCTCTCCT

5' 61 71 81 91
351 GGAAGCTGCCACGAGGGGAGATGGGCCATGAGA ACTTGGC CAGGAGAAAT
CCTTCGACGGTGCTCCCCCTTACCCGGTACTCTTGAACCGGTCCTCTTTA

5' 11 21 31 41
401 AGCCAGTATCTGGAGTACAC CACTGAGGAGGTAGCCAGGC TAGCAGTTAG
TCGGTCATAGACCTCATGTGGTGACTCCTC CATCGGTCCGATCGTCAATC

5' 61 71 81 91
451 AAGAGTAGATTAGGGGTTATTTTTCCCCCACTCCACATAGTTATCAAAGC
TTCTCATCTAATCCCCAATAAAAAGGGGGT GAGGTGTATCAATAGTTTCG

5' 11 21 31 41
501 CAAATAAAATAACCATAGTCTGAGTCTCATCTATTTGTAA GCTAGTTGGG
GTTTATTTTATTGGGTATCAGACTCAGAGTAGATAAACATT CGATCAACCC

5' 61 71 81 91
551 TATAAGATTAATTTGGCTGTACTACAGTTTAGATTTCTAA CATAGGAACT
ATATTCTAATTAAACCGACA TGATGTCAAA TCTAAAGATTGTATCCTTGA

5' 11 21 31 41
601 ATCAAAA ACTTGCTCAAACAAGAACATGCTGACAATATTTTAA AATGATT
TAGTTTTTGAACGAGTTTGTCTTGTACGACTGTTATAAAATTTTACTAA

Figure 12 continued

5' 61 71 81 91
651 ATTTATATTGTTTGCACCTTTCTAAAGTTTCTTCTAAATGTTCCATGGTCA
TAAATATAACAAACGTGAAA GATTTCAAAGAAGATTTACAAGGTACCAGT

5' 11 21 31 41
701 AATTAAAAA TATACATATTGGCTATTAAATTCGTCTAAGTGGGGCTGGA
TTAATTTTTTATATGTATAACCGATAATTTAAGCAGATTCACCCCGACCT

5' 61 71 81 91
751 GAGATAGCTCAGAGGTTAAGAGCACTGACTGCTCTTCCAGAGGTCCTGAG
CTCTATCGAGTCTCCAATTCTCGTGACTGACGAGAAGGTCCTCAGGACTC

5' 11 21 31 41
801 TTCAATTCCCAGCGACCACATGGTGGCTCA CAGCCATCTGTAATAGATAG
AAGTTAAGGGTCGCTGGTGTACCACCGAGTGTCCGGTAGACATTATCTATC

5' 61 71 81 91
851 GATCTGACGC CCTCTTCTGGAGTGTCTGAAGACAGCTACAATGTACTCAT
CTAGACTGCGGGAGAAGACCTCACAGACTTCTGTCTGATGT TACATGAGTA

5' 11 21 31 41
901 ATATATTAAATAAATAATATTAGAAAATTCCTTCTAAGTGTATCATTTATA
TATATAATTTATTTATTATAATCTTTTAAGAAGATTCACATAGTAAATAT

5' 61 71 81 91
951 GAATATTTAATATATAAAGTAAATGCCTCAGGAAATATAAACTTGGAATT
CTTATAAATTATATATTTCA TTTACGGAGT CCTTTATATTTGAACTTAA

5' 11 21 31 41
1001 AAATCAAAGAACTTCATGAGTAGTGGGCCA CAAAAAATGTGTACCAGGGG
TTTAGTTTCTTGAAGTACTCATCACCCGGTGT TTTTACACATGGTCCCC

5' 61 71 81 91
1051 AAGACCGGAGGGAGGGGAGAAGGAAGGGATGGAGATAGAA TTTTGCCTCT
TTCTGGCCTCCTCCCCCTCTTCCTTCCCTA CCTCTATCTTAAAACGGAGA

5' 11 21 31 41
1101 GCATTCCTTGGGCTGGCACAGGTATAATGCTGTGGGAATTGGGAACTAC
CGTAAGGAAC CCGACCGTGTCCATATTACGACACCCCTTAA CCCTTTGATG

5' 61 71 81 91
1151 AAGGAAGCTGCAAAGCTGGGCGGAACTCGT TCCGCAAGCTGGGCTCATC
TTCTTCGACGTTTCGACCCGCCTTGAGCAAAGGCGTTCGACCCGAGTAG

5' 11 21 31 41
1201 TAAGTGTCCATGCATGGCTGCCACACTGCAGTGAAC TTTAAAACATTTGT
ATTCACAGGTACGTACCGACGGTGTGACGTCACTTGAAATTTTGTAACA

5' 61 71 81 91
1251 GTTCCAGAGATGTAGAGATGCTCACAATAGTACAAAGGCGGGAGGGAGGT
CAAGGTCTCTACATCTCTACGAGTGTTATCATGTTTCCGCCTCCCTCCA

Figure 12 continued

5' 11 21 31 41
1301 ATTTCCAGACTAAGAGGAAGAAAAACCATTTGCTGATTAAACATCTGCATA
TAAAGGTCTGATTCTCCTTCTTTTGGTAACGACTAATTTGTAGACGTAT

5' 61 71 81 91
1351 TGAGCGCCCCCACCTCCATACACACACACACACACACACACACACACACAC
ACTCGCGGGGGTGGAGGTATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT

5' 11 21 31 41
1401 CAACCAAACAGAACAATAACATGCATGTCTACAGCCTGCAGGAACAAA
GTTGGTTTGTCTTGTTTATGTGTACGTACAGATGTCGGACGTCCTTGTTT

5' 61 71 81 91
1451 ATGGTATGTCTGTGAGGAAC CAGGAGATGCACAGGTCCTAACCTCTGTCT
TACCATACAGACACTCCTTGCTCCTCTACGTGTCCAGGATTGGAGACAGA

5' 11 21 31 41
1501 CCTACAAGCCCTGAAGTCTGGTCAGGGTCAAATGTACAAAAGCAGGCTAA
GGATGTTCCGGGACTTCAGAC CAGTCCCAGTTTACATGTTTTCGTCCGATT

5' 61 71 81 91
1551 GGAAGCTGTTTAGTGAAAGATTTTTTCTTCAACTCTAGGAACAACCTAT
CCTTCGACAAATCACTTTCTAAAAAAGAAGTTGAGATCCTTGTTGGATA

5' 11 21 31 41
1601 TTCCTAGGATTTGGAGAGTGCTCAGGAGGAAACATTTCAGACAACCTGATGC
AAGGATCCTAAACCTCTCACGAGTCCTCCTTTGTAAGTCTGTTGACTACG

5' 61 71 81 91
1651 TCTCTGTGTACCCAGATTTCAGGTATTGGGGTAGTTAGTTGTGCTCATGT
AGAGACACATGGGGTCTAAGTCCATAACCCCATCAATCAACACGAGTACA

5' 11 21 31 41
1701 ATGTGCTAGATATATTAGCACAGCCTGCCTTCTGCTGCACAACGCCTTAG
TACACGATCTATATAATCGTGTCCGACGGAAGACGACGTGTTGCGGAATC

5' 61 71 81 91
1751 AGACCCGGCCTTTCAATGAGCTTAGCTTGCTGCTGTTTCTGCTCTCTTA
TCTGGGCCGGAAGTTACTCGAATCGAACA CGAGACAAAGACGAGAGAAT

5' 11 21 31 41
1801 GGTCTAAACTATGGTGTGAGTTTAAATAGAACAAAAGTATGCATCTTGCC
CCAGATTTGATACCACAGTCAAAATTATCTTGTTTTTCATACGTAGAACGG

5' 61 71 81 91
1851 TTGGCTTGAGCCTTTTCGTTTCAATGCTGACTTCTCCCCCTTCTCTCCT
AACCGAACTCGGAAAAGCAAAAGTTACGACTGAAGAGGGGAAAGAGAGGA

5' 11 21 31 41
1901 GTGCTCACCTTACCTTTCCAGAGTGTAAGGGACAACCTTTTAAGGAGGCGT
CACGAGTGGAATGGAAAGGTCTCACATTCCCTGTTGAAAAATCCTCCGCA

Figure 12 continued

5' 61 71 81 91
1951 GTCCCTGGTAGGGGCATCCC TGTTCACCAGGTGCCTGTCATCACCCCACT
CAGGGACCATCCCCGTAGGGACAAGTGGTC CACGGACAGTAGTGGGGTGA

5' 11 21 31 41
2001 TGA CTGACATCTACCCTGGT GACTATGGGTTCCTCTTGTTTG TAGGGAAAC
ACTGACTGTAGATGGGACCA CTGATACCCAAGGAGAACAAACATCCCTTG

5' 61 71 81 91
2051 GGTGGCTCCAGGTGGAGGCATCAATCTGTTGGGTTCTGGTTCCCGGCTGC
CCACCGAGGTCCACCTCCGTAGTTAGACAA CCAAGACCAAGGGCCGACG

5' 11 21 31 41
2101 CTTTGGTTTTTGAAAGTCTCTTCTCTGTATA TTCCTACCCTGCATTTGCTT
GAAACCAAAA CTTTCAGAGAAGAGACATATAAGGATGGGACGTAAACGAA

5' 61 71 81 91
2151 TGTGTGGTGCTGATGCTGTG CGCAGCAGGATTCTTGATGACTCTCCATC
ACACACCACGACTACGACACGCGTCGTCCTAAGAACCTACTGAGAGGTAG

5' 11 21 31 41
2201 AGTCACAGACTCCCCCTGTTGCAAAGTGT CAGGCTGACTCGACAGTCACC
TCAGTGTCTGAGGGGGACAA CGTTTCACAGTCCGACTGAGCTGTCAGTGG

5' 61 71 81 91
2251 GTAAAATCTGAGTCAGTCACACACAGGCTGTCAGCCACGGCTTCCACTTG
CATTTTAGACTCAGTCAGTGTGTGTCGACAGTCGGTGCCGAAGGTGAAC

5' 11 21 31 41
2301 CATGGCTATTCTATTTTCACACGTGAGTTT CTGTTGCTGGCTGGCTGACT
GTACCGATAAGATAAAAGTGTGCACTCAAAGACAACGACCGACCGACTGA

5' 61 71 81 91
2351 GGCATTATCTATGCTAAGTTGAAATCAGGGGTGCCCAGCAGAGCCCATCA
CCGTAATAGATACGATTCAA CTTTAGTCCC CACGGGTCGTCTCGGGTAGT

5' 11 21 31 41
2401 TTCTCACTGTCTTTGAAACAAAGCTGTACGGTTTGATCGATGAAACGTATT
AAGAGTGACAGAAACTTTGTTTCGACATGC CAAACTAGCTACTTGCATAA

5' 61 71 81 91
2451 TAAAGCATTT CATGCAATGACAAAGTGCTCAGTAGTGGAAGGCAGGCTGT
ATTCGTAAAGTACGTTACTGTTTCACGAGTCATCACCTTCCGTCCGACA

5' 11 21 31 41
2501 GACCAGTCTGCCTGCTCCTTACTATAATTGTGAGGATTTGTTACTGGAAC
CTGGTCAGACGGACGAGGAATGATATTAACACTCCTAAACAATGACCTTG

5' 61 71 81 91
2551 AGTACATGGAGGCCTGACCTTGTGGGGGGCA CAGGGTGGAACTTAGCTGA
TCATGTACCTCCGACTGGAACACCCCCGTGTCCACCTTGGAATCGACT

Figure 12 continued

5' 11 21 31 41
 2601 ATATAGTGTGTGTCTCAAGAGGAAGTCAGGGTACTAGCTCAGTGCTCAAT
 TATATCACACACAGAGTTCTCCTTCAGTCCCATGATCGAGTCACGAGTTA

5' 61 71 81 91
 2651 CTCCAGGTACTATATATACATTTGCCCGTTTATCTCTAA TGTGAAATAA
 GAGGTCCATGATATATATGTAAACGGGCAAATAGAGATTACACTTTATT

5' 11 21 31 41
 2701 ATCCCCAAACACTTGTTTATCGTGTAGCGTACCTAAAAGACTATTCTATT
 TAGGGGTTTGTGAACAAATAGCACATCGCATGGATTTTCTGATAAGATAA

5' 61 71 81 91
 2751 ATGGGTGTCCCCACTTTCTTGGTTTGGTCA CCCCCGATCCC CCGGTCTTCT
 TACCCACAGGGGTGAAAGAA CCAAACCAGTGGGGCTAGGGGGCCAGAAGA

5' 11 21 31 41
 2801 GCTGTATCTAGAACAGTGACTATAAATGATGTATGGGAATAGTGTTCCTCA
 CGACATAGATCTTGTCAGTATTTACTACATACCCTTATCACAAGGT

5' 61 71 81 91
 2851 TATGATCTGTTGTCTGGAGTATATGCTACATGTTTCATTTACTGTACAAAA
 ATACTAGACAACAGACCTCATATACGATGTACAAGTAAATGACATGTTTT

5' 11 21 31 41
 2901 ACCCAGTGCAGCTGATGATGCAAAGCAGTCTCTCTCTGTGTACAGTGCCC
 TGGGTCACGTGACTACTACGTTTCGTCAGAGAGAGACACATGTCACGGG

5' 61 71 81 91
 2951 CACCTATTTAAAAATCACGTACTTGCCCAGAACACTGTGAAACACTTAAC
 GTGGATAAATTTTGTAGTGATGAACGGGTCTTGTGACACTTTGTGAATTG

5' 11 21 31 41
 3001 ATAAGAACAACGCAGCGTCTGGATTCTTTCCAAGGAGAGCAGCTTTCTC
 TATTCTTGTTTGCGTCGCAGACCTAAGAAAGGTTCTCTCTCGTCAAGAG

5' 61 71 81 91
 3051 CACAGGAACA CAGTAACAAAAGAGGTCCGC CGCCATCCACACCCAGCCAA
 GTGTCCTTGTGTCATTGTTTTCTCCAGGCGGCGGTAGGTGTGGGTGCGTT

5' 11 21 31 41
 3101 GACACCTCAGAGGCCATAGGGACAACCTCCTTGCTGGCCAACACCTGCTG
 CTGTGGAGTCTCCGGTATCCCTGTTGGAGGAACGACCGGTGTGTGGACGAC

5' 61 71 81 91
 3151 GAGCAGGGGACACAGGTCCAGCAACTGATCCTCAGTGGATGGGTCTGCAG
 CTCGTCCCCGTGTCCAGGGT CGTTGACTAGGAGTCACCTACCCAGACGTC

5' 11 21 31 41
 3201 CCAAAGCCTTAATGGGCTCTCTTTTGAAGGGGAAAGAAAGAAATTTCAAGC
 GGTTTCGGAAATTACCCGAGAGAAAACCTTCCCTTTCTTTCTTAAAGTTTCG

Figure 12 continued

5' 61 71 81 91
3251 TTATGATATC CAATATTATTATAGTTGATGAGTTAGTAAATTCCAAAAA
AATACTATAGGTTATAATAATATCAACTACTCAATCATTTAAGGTTTTT

5' 11 21 31 41
3301 AAAAGATGATTTTATATGTATGACATAAAAAAATCTTTGTAAAGTGCGC
TTTTCTACTAAAATATACATACTGTATTTTTTTTAGAAACATTTACACGC

5' 61 71 81 91
3351 AAGTGCAATAATTTAAAGAGGCTTATCTTTGCATTTATAAATTATAAAT
TTCACGTTATTAAATTTCTCCAGAATAGAAACGTAAATATTTAATATTTA

5' 11 21 31 41
3401 ATTGTACATGTGTGTAATTTTTCATGTATTCAATTTGCAGTCTTTGTATTT
TAACATGTACACACATTAAAAAGTACATAAGTAAACGTCAGAAACATAAA

5' 61 71 81 91
3451 AAAAAAATTTACTGTTATGTTTGTATAATAGAACATTAAATCATTTATTA
TTTTTTTGAAATGACAATACAAACATATTATCTTGTAATTAGTAAATAAT

5' 11 21 31 41
3501 TAACTCAGACAAGGTGTAAATAAATTCATAATTCAAACAGCCAGTATATA
ATTGAGTCTGTTCCACATTTATTTAAGTATTAAGTTTGTCCGTCATATAT

5' 61 71 81 91
3551 TGCATATATGGGTGTTACATTGCAAAAATCTCTATCTTTGTTCTATTCAC
ACGTATATACCCACAATGTAACGTTTTTTAGAGATAGAAACAAGATAAGTG

5' 11 21 31 41
3601 ATGCTTAAAGAAGTAAGAAATCTTTTGTGGATATGTAATTATACATATAA
TACGAATTTCTTCATTCTTTAGAAAACACCTATACATTAAATATGTATATT

5' 61 71 81 91
3651 AGTATATATATATGTATGATACATGAAATAATTTAGAAAATGTTTCATAAT
TCATATATATATACATACTATGTACTTTATATAAATCTTTACAAGTATTA

5' 11 21 31 41
3701 TTTAATGGATATTCTTTGGTGTGAATAATTGAATACAACATTTTAAAT
AAATTACCTATAAGAAACCACTTATTAACTTATGTTGTAAAAATTTTA

5' 61 71 81 91
3751 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAATTTTTTTTTTTTTT
TTAAAAAAAAAAAAA

5' 11 21 31 41
3801 TTATTCCAGAGATTAAAGACACTAGATCTTTAACCTTGAAGGGCAGGCAA
AATAAGGTCTCTAATTTCTGTGATCTAGAAATTGGAACCTCCCGTCCGTT

5' 61 71 81 91
3851 GAGGTCGGCAATGCTGTCAACATAGAAGTCAGGGACCATTCTTCTTCTGA
CTCCAGCCGTTACGACAGTTGTATCTTCAGTCCCTGGTAAAAGAAGAACT

Figure 12 continued

5' 11 21 31 41
 3901 ACATGCAGTCACTTTCCTGATTGCTCTTCAATCCTCAAGGCTCCGGAAT
 TGTACGTCAGTGAAAGGACTAACGAGAAGTGTAGGAGTTCCGAGGCCTTA

5' 61 71 81 91
 3951 TCCGGGGGGTGTGGTGGGCTTTGATCTCAGGACTCTGGAGGCAGAAGCAGG
 AGGCCCCCACACCACCCGAACTAGAGTCTTGAGACCTCCGTCTTCGTCC

5' 11 21 31 41
 4001 CAGATCTCTGTGAATATGAGGCCAGCCTGCACTACACAGAGCTCCAGACC
 GTCTAGAGACACTTATACTCCGGTCGGACGTGATGTGTCTCGAGGTCTGG

5' 61 71 81 91
 4051 AGTCATGGCTACATCATGAAACCCTGTCTCAAAAAGAAAAATAAAACTGT
 TCAGTACCGATGTAGTACTTTGGGACAGAGTTTTTCTTTTATTTTGTACA

5' 11 21 31 41
 4101 TGTGTTTCTACCATAGTGTTAACTCAGAGTCTGAGTAATGTCGGGCTGA
 ACACAAAGATGGTATCACAAATTTGAGTCTCAGACTCATTACAGCCCGACT

5' 61 71 81 91
 4151 CATGCTCGGGTGTTTAAACATACCTTCAGCTTTGACGAGGCGCTGAACAGT
 GTACGAGCCCAAAATTGTATGGAAGTCGAAACTGCTCCGCGACTTGTCA

5' 11 21 31 41
 4201 CAAAGTCTGGCCTTGGGGAGCGGTGGCTGTGTTTGTGCTCAAGTCCACCG
 GTTTCAGACCGBAAACCCCTCGCCACCGACACAAACACGAGTTCAGGTGGC

5' 61 71 81 91
 4251 TGAAATCCTGATTGTGAATTTGGACAACCGTGTCCTTCTTCTTGGCCTTC
 ACTTTAGGACTAACACTTAAACCTGTTGGCACAGGAAGAAGAACCGBAAG

5' 11 21 31 41
 4301 CATGCAACCTCCAACCTTCATGTTGGTCATTTTGTCAAAACACTGTGTGAT
 GTACGTTGGAGGTTGAAGTACAACCAGTAAAACAGTTTTTGTGACACACTA

5' 61 71 81 91
 4351 GTTTTTATCAATATACTGCCATTCCACATAGTAGAGATGTAGTCTGCCT
 CAAAATAGTTATATGACGGTAAGGTGTATACATCTCTACATCAGACGGA

5' 11 21 31 41
 4401 GGCTTTCCTTTTCTTTAGCCAATCGAATGCTCTTGATCATGCCCTCAATC
 CCGAAAGGAAAAGAAATCGGTAGCTTACGAGAAGTAGTACGGGAGTTAG

5' 61 71 81 91
 4451 TCATCTCTAGCTTTTATCACGTCTCTGCTAATTCCTGAAAATTGAATCGA
 AGTAGAGATCGAAAATAGTGAGAGACGATTAAGGACTTTGAACCTAGCT

5' 11 21 31 41
 4501 AGTTTTCTTCTGGTTCATCTCAATGGTGATGTTTCAAGTTCTTCTGAATCT
 TCAAAAGAAGACCAAGTAGAGTTACCACTACAAGTCAAGGAAGACTTAGA

Figure 12 continued

5' 61 71 81 91
4551 CATTTCAGTTTCTCGTACTCCTCCATGTCAAAGTCACTGACACACTCATCG
GTAAGTCAAAGAGCATGAGGAGGTACAGTTTCAGTGACTGTGTGAGTAGC

5' 11 21 31 41
4601 TCATTGGTGTAGGAAAGCTGCTCTTTGGTAATCAGTTCCTTTAGCCAGGA
AGTAACCACATCCTTTTCGACGAGAAACCATTAGTCAAGGAAATCGGTCCT

5' 61 71 81 91
4651 GATTGTTTTGTTCACACTGTCTACCCCTGAACCACATACCTGGAAAAGCTG
CTAACAAAACAAGTGTGACAGATGGGGACTTGGTGTATGGACCTTTTGAC

5' 11 21 31 41
4701 TGTGCTCTATTTTCTTTTCCAAAACCAGGGTGTTCTTTTGGGGGAAGCT
ACACGAGATAAAAGAAAAGGTTTTGGTCCCACAAGAAAAA CCCCCTTCGA

5' 61 71 81 91
4751 TGCTTGGGAAAGCCAAGAAAGGCTAAAGAGAAAATGGAAATTAATGTTTC
ACGAACCCTTTCGGTTCCTTCCGATTTCTCTTTTACCTTTAATTACAAAG

5' 11 21 31 41
4801 TTTTACTCCCTTCAACATCAAGGTTAGGAAATATGTATTTTCATAAAAGCTA
AAAATGAGGGAAGTTGTAGTTCCAATCCTTATACATAAAGTATTTTCGAT

5' 61 71 81 91
4851 ACAACTCACAGGCAATCTTAGACATCACTGACTGCTTGGCAGGCGACTGC
TGTTGAGTGTCCGTTAGAATCTGTAGTGACTGACGAACCGTCCGCTGACG

5' 11 21 31 41
4901 TTGGGGGGGAGCTGGAGAGCCTTCTCTTTCTTTCATGTTGTGTAACAAAAA
AACCCCCCTCGACCTCTCGGAAGAGAAAGAAAGTACAACAGCATTTTTTTT

5' 61 71 81 91
4951 TTGCAGAATA TGGGGCTGGAAGATAACAAC TTTAACTCTCTTCACAGCCT
AACGTCTTATACCCCGACCTTCTATTGTTGAAATTGAGAGAAGTGTGCGGA

5' 11 21 31 41
5001 GCACTGATTTTCTGACAAATTCTTCAATGGCATCTATTATCGCTTTT
CGTGACTAAAAAAGACCTGTTTAAAGAAGTTACCGTAGATAATAGCGAAAA

5' 61 71 81 91
5051 GCTACTACGTTTGGGTCCTGTTGAGCATTTCTTCAAAAA CAAAAAAGC
CGATGATGCAAACCCAGGACAACCTCGTAAAGGAAGTTTTTGTTTTTTTTCG

5' 11 21 31 41
5101 ACATTTTTTAAAAAGTCAAGGTTAAGATCCA CTTGCAAAAAAAGCTGCAA
TGTA AAAATT TTTTCAGTTCCAATTCTAGGTGGACGTTTTTTTCGACGTT

5' 61 71 81 91
5151 TATAAGCGAGGAATTCTAGTTGTACAGGAAATAAAAATGTCTGTTCCCA
ATATTCGCTCCTTAAGATCAACAGTGTCCTTATTTTTTACAGACAAGGGT

Figure 12 continued

5' 11 21 31 41
5201 CTATAATCAATGTAGACTGATAATATTATGCCAGCAAATAGTTTTGAAGT
GATATTAGTTACATCTGACTATTATAATACGGTCGTTTATCAAACTTCA

5' 61 71 81 91
5251 CCTAGGCACAGTGGGAGGAGGTTTTGTTCCACGCTGTTCA TAAGCCAATA
GGATCCGTGT CACCCTCCTC CAAAACAAGGTGCGACAAGTATTCGGTTAT

5' 11 21 31 41
5301 CCCCAGCAAAAGACCTTAAAGGACAACCTTGTAATTTGGGACATTCACATC
GGGGTCGTTTTCTGGAATTTCTGTTGAACATTAAACCCTGTAAGTGTAG

5' 61 71 81 91
5351 TGTCTCTTTCATCTGATCTGGCTCCAGTGTCACCTCTCTAACACGGTCCT
ACAGGAGAAGTAGACTAGACCGAGGGTCACAGTGAGAGATTGTGCCAGGA

5' 11 21 31 41
5401 TAGAGGGACAATTTATCCCTGCCTCTGCTTGATCTTATGCATGTATCTGT
ATCTCCCTGTTAAATAGGGACGGAGACGAACTAGAATACGTACATAGACA

5' 61 71 81 91
5451 ATTCTTCCAGCCATCCCTGGCGACCTGATTTTTCTAAGGCACCCAAAACCT
TAAGAAGGTCGGTAGGGACCGCTGGACTAAAAAGATTCCGTGGGTTTTGA

5' 11 21 31 41
5501 GTAAGCTACTTCTTATAATCTATAATTCTGAGCATATTAGTTAGCCTGAG
CATTCGATGAAGAATATTAGATATTAAGACTCGTATAATCAATCGGACTC

5' 61 71 81 91
5551 CCTCCAGGATATCTTTCTTCCTATACTCAGTCCAGTTTTTAGCTGCCCAG
GGAGGTCCTATAGAAAGAAGGGATATGAGTCAGGTCAAAATCGACGGGTC

5' 11 21 31 41
5601 AAGGATTCAAAGCTGATCTACGAGTAGATCACTCCTGTCTACAGCTTGTT
TTCCTAAGTTTCGACTAGATGCTCATCTAGTGAGGACAGATGTCGAACAA

5' 61 71 81 91
5651 CCAGATCTTGTCTTCTCAAGCCTGGAAGCCATCAGCCAGGTAAGATTGTA
GGTCTAGAACAAGAGTTTCGGGACCTTCGGTAGTCGGTCCATTCTAACAT

5' 11 21 31 41
5701 AAACAATCCCTTTCTAATCATGGGTGTGGCCCAAAGTGAAATGGCCGGAAT
TTTGTTAGGGAAAGATTAGTACCCACACCGGGTTTCACTTACCGGCCTTA

5' 61 71 81 91
5751 TC
AG

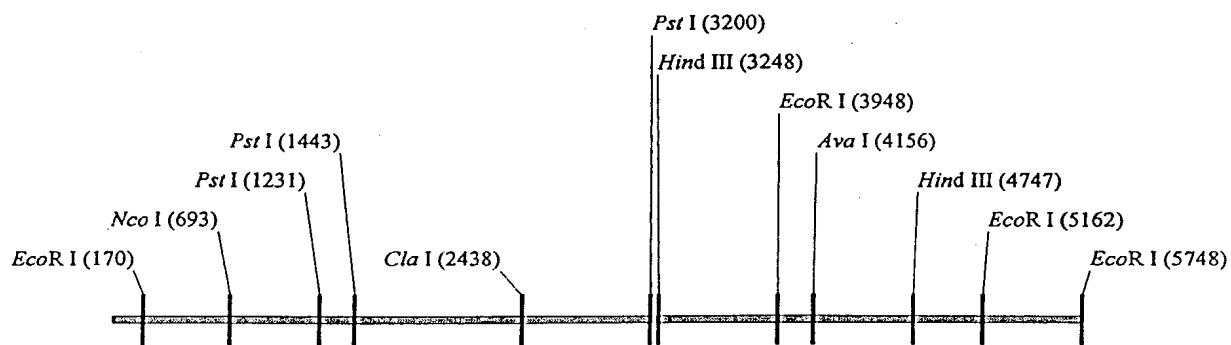


Figure 13

5752 bp



Figure 14

Figure 15

PDE10a and RACES compiled

1	CGCCCGGGCA	GGTCTGTTGG	AGGGCAGTTG	GTCAACCTGA	CCAGAGAGAG	CTGAGCTGGA
	GCGGGCCCCGT	CCAGACAACC	TCCCGTCAAC	CAGTTGGACT	GGTCTCTCTC	GACTCGACCT
61	AGACCCCACT	GATGGTGTGC	TGCCTTTCAG	TCCAGGAAGA	AAGAAAGGAA	GGATTCTGAG
	TCTGGGGTGA	CTACCACACG	ACGGAAAGTC	AGGTCCTTCT	TTCTTTCCTT	CCTAAGACTC
121	GATTTGGGCA	AAGCCACATT	CCTGGAGAAG	TCTGTATACT	GATGCCAAAC	CCAAGAGCTG
	CTAAACCCGT	TTCGGTGTA	GGACCTCTTC	AGACATATGA	CTACGGTTTG	GGTTCTCGAC
181	AGCTGCTGAT	GAGGCCCAGG	GAGTAGCCCA	CGCGCCCTGA	GCTGTTGGCT	AGCAAGGCCT
	TCGACGACTA	CTCCGGGTCC	CTCATCGGGT	GC GCGGGACT	CGACAACCGA	TCGTTCCGGA
241	TCCTGCTCCA	TGTGGCATGG	AAAAATTATA	TGGTTTGACG	GATGAAAAGG	TGAAGGCCCTA
	AGGACGAGGT	ACACCGTACC	TTTTTAATAT	ACCAAACCTGC	CTACTTTTCC	ACTTCCGGAT
301	TCTTTCTCTC	CATCCCCAGG	TATTAGATGA	ATTTGTTTCT	GAAAGTGTTA	GTGCAGAGAC
	AGAAAGAGAG	GTAGGGGTCC	ATAATCTACT	TAAACAAAGA	CTTTCACAAT	CACGTCTCTG
361	TGTGGAAAAG	TGGCTGAAGA	GGAAAACCAA	CAAAGCAAAA	GATGAACCAT	CTCCCAAGGA
	ACACCTTTTC	ACCGACTTCT	CCTTTTGGTT	GTTTCGTTTT	CTACTTGGA	GAGGGTTCCT
421	AGTCAGCAGG	TACCAGGATA	CGAATATGCA	GGGAGTCGTG	TACGAGCTGA	ACAGCTACAT
	TCAGTCGTCC	ATGGTCCTAT	GCTTATACGT	CCCTCAGCAC	ATGCTCGACT	TGTCGATGTA
481	AGAGCAGCGC	CTGGACACGG	GCGGGGACAA	CCACCTGCTC	CTCTATGAGC	TCAGCAGCAT
	TCTCGTCGCG	GACCTGTGCC	CGCCCCTGTT	GGTGGACGAG	GAGATACTCG	AGTCGTCGTA
541	CATCAGGATA	GCCACAAAAG	CCGACGGATT	TGCACTGTAC	TTCCTTGAGG	AGTGCAATAA
	GTAGTCCTAT	CGGTGTTTTT	GGCTGCCTAA	ACGTGACATG	AAGGAACCTC	TCACGTTATT
601	TAGCCTGTGT	GTGTTCATAC	CACCCGGGAT	GAAGGAAGGC	CAACCCCGGC	TCATCCCTGC
	ATCGGACACA	CACAAGTATG	GTGGGCCCTA	CTTCCTTCCG	GTTGGGGCCG	AGTAGGGACG
661	AGGGCCCATC	ACCCAGGGTA	CCACCATCTC	TGCCTACGTG	GCCAAGTCTA	GGAAGACGTT
	TCCCGGGTAG	TGGGTCCCAT	GGTGGTAGAG	ACGGATGCAC	CGGTTTCAGAT	CCTTCTGCAA
		EcoRV		XhoI		
721	GTTGGTAGAG	GATATCCTTG	GGGATGAGCG	ATTCCTCTGA	GGTACTGGCC	TGGAATCAGG
	CAACCATCTC	CTATAGGAAC	CCCTACTCGC	TAAAGGAGCT	CCATGACCGG	ACCTTAGTCC
781	AACCCGCATC	CAGTCTGTTC	TTTGCTTGCC	CATTGTCACT	GCCATTGGAG	ACTTGATTGG
	TTGGGCGTAG	GTCAGACAAG	AAACGAACGG	GTAACAGTGA	CGGTAACCTC	TGAACATAACC
841	CATCCTTGAA	CTGTACAGGC	ACTGGGGCAA	AGAGGCCTTC	TGCCTCAGCC	ATCAGGAGGT
	GTAGGAACTT	GACATGTCCG	TGACCCCGTT	TCTCCGGAAG	ACGGAGTCGG	TAGTCCTCCA
901	TGCAACAGCC	AATCTTGCTT	GGGCTTCCGT	AGCAATACAC	CAGGTGCAGG	TGTGTAGAGG
	ACGTTGTCGG	TTAGAACGAA	CCCGAAGGCA	TCGTTATGTG	GTCCACGTCC	ACACATCTCC
961	TCTCGCCAAA	CAGACCGAAC	TGAATGACTT	CCTACTCGAC	GTATCAAAGA	CATACTTTGA
	AGAGCGGTTT	GTCTGGCTTG	ACTTACTGAA	GGATGAGCTG	CATAGTTTCT	GTATGAAACT
1021	TAACATAGTT	GCCATAGACT	CTCTACTTGA	ACACATCATG	ATATATGCAA	AAAATCTAGT
	ATTGTATCAA	CGGTATCTGA	GAGATGAACT	TGTGTAGTAC	TATATACGTT	TTTTAGATCA
1081	GAACGCCGAC	CGCTGCGCGC	TCTTCCAGGT	GGACCACAAG	AACAAGGAGC	TGTACTCGGA
	CTTGCGGCTG	GCGACGCGCG	AGAAGGTCCA	CCTGGTGTTC	TTGTTCCCTG	ACATGAGCCT
1141	CCTGTTTGAC	ATTGGGGAGG	AGAAGGAGGG	GAAGCCCATC	TTCAAGAAGA	CCAAGGAGAT
	GGACAAACTG	TAACCCCTCC	TCTTCTCTCC	CTTCGGGTAG	AAGTTCTTCT	GGTTCCTCTA
1201	CAGATTTTCC	ATTGAGAAAG	GGATTGCTGG	TCAAGTGGCA	AGAACAGGCG	AAGTCTTGAA
	GTCTAAAAGG	TAACCTTTTC	CCTAACGACC	AGTTCACCGT	TCTTGTCCGC	TTCAGAACTT
1261	CATTCCCGAT	GCCTACGCGG	ACCCTCGCTT	TAACAGGGAG	GTGGACCTGT	ACACAGGCTA
	GTAAGGGCTA	CGGATGCGCC	TGGGAGCGAA	ATTGTCCCTC	CACCTGGACA	TGTGTCCGAT
1321	CACCACGAGG	AACATTCTGT	GTATGCCCAT	AGTGAGCCGA	GGCAGCGTGA	TTGGCGTGGT
	GTGGTGCTCC	TTGTAAGACA	CATACGGGTA	TCACTCGGCT	CCGTCGCACT	AACCGCACCA

Figure 15 (con't)

PDE10a and RACEs compiled

1381	GCAGATGGTG	AACAAGATCA	GCGGTAGCGC	CTTCTCCAAG	ACAGACGAGA	ACAACTTCAA
	CGTCTACCAC	TTGTTCTAGT	CGCCATCGCG	GAAGAGGTTT	TGTCTGCTCT	TGTTGAAGTT
1441	GATGTTTGCT	GTCTTCTGCG	CACTGGCCTT	GCACTGTGCT	AACATGTACC	ACAGGATCCG
	CTACAAACGA	CAGAAGACGC	GTGACCGGAA	CGTGACACGA	TTGTACATGG	TGTCCTAGGC
1501	CCACTCAGAA	TGCATCTACA	GGGTTACCAT	GGAGAAGCTT	TCCTACCACA	GCATCTGCAC
	GGTGAGTCTT	ACGTAGATGT	CCCAATGGTA	CCTCTTCGAA	AGGATGGTGT	CGTAGACGTG
1561	CTCCGAGGAG	TGGCAAGGCC	TCATGCGCTT	CAACCTACCA	GCACGCATCT	GCCGGGACAT
	GAGGCTCCTC	ACCGTTCGCG	AGTACGCGAA	GTTGGATGGT	CGTGCGTAGA	CGGCCCTGTA
1621	CGAGCTATTC	CACTTTGACA	TTGGTCCTTT	CGAGAACATG	TGGCCTGGGA	TCTTTGTCTA
	GCTCGATAAG	GTGAAACTGT	AACCAGGAAA	GCTCTGTAC	ACCGGACCCT	AGAAACAGAT
1681	CATGATCCAT	CGGTCTTGTG	GGACATCCTG	TTTTGAACTT	GAAAAATTGT	GCCGTTTTAT
	GTACTAGGTA	GCCAGAACAC	CCTGTAGGAC	AAAACCTGAA	CTTTTAAACA	CGGCAAAATA
1741	CATGTCTGTG	AAGAAGAACT	ATCGGCGGGT	TCCTTACCAC	AACTGGAAGC	ATGCAGTCAC
	GTACAGACAC	TTCTTCTTGA	TAGCCGCCCA	AGGAATGGTG	TTGACCTTCG	TACGTCAGTG
1801	GGTGGCACAC	TGCATGTATG	CCATACTTCA	AAACAACAAT	GGCCTCTTCA	CAGACCTCGA
	CCACCGTGTG	ACGTACATAC	GGTATGAAGT	TTTGTGTGTA	CCGGAGAAGT	GTCTGGAGCT
1861	GCGCAAAGGC	CTGCTAATTG	CGTGTCTGTG	CCATGACCTG	GACCACAGGG	GCTTCAGTAA
	CGCGTTTCCG	GACGATTAAC	GCACAGACAC	GGTACTGGAC	CTGGTGTCCC	CGAAGTCATT
1921	CAGCTACCTG	CAGAAGTTTG	ACCACCCCTT	GGCGGCGCTG	TACTCCACCT	CCACCATGGA
	GTGATGGGAC	GTCTTCAAGC	TGGTGGGGGA	CCGCCGCGAC	ATGAGGTGGA	GGTGGTACCT
1981	GCAACACCAC	TTCTCCCAGA	CGGTGTCCAT	CCTTCAGCTG	GAAGGGCACA	ATATCTTCTC
	CGTTGTGGTG	AAGAGGGTCT	GCCACAGGTA	GGAAGTCGAC	CTTCCCGTGT	TATAGAAGAG
2041	CACCCTGAGC	TCCAGCGAGT	ACGAGCAGGT	GCTGGAGATC	ATCCGCAAAG	CCATCATCGC
	GTGGGACTCG	AGGTCGCTCA	TGCTCGTCCA	CGACCTCTAG	TAGGCGTTTC	GGTAGTAGCG
2101	CACCGACCTC	GCCCTATACT	TTGGGAACAG	GAAGCAGTTG	GAGGAGATGT	ACCAGACAGG
	GTGGCTGGAG	CGGGATATGA	AACCCTTGTC	CTTCGTCAAC	CTCCTCTACA	TGGTCTGTCC
2161	GTCGCTGAAC	CTCCACAACC	AGTCCCATCG	AGACCGTGTC	ATCGGCTTGA	TGATGACTGC
	CAGCGACTTG	GAGGTGTTGG	TCAGGGTAGC	TCTGGCACAG	TAGCCGAACT	ACTACTGACG
2221	CTGTGATCTT	TGCTCTGTGA	CCAAACTATG	GCCAGTTACA	AAATTGACAG	CGAATGATAT
	GACACTAGAA	ACGAGACACT	GGTTTGATAC	CGGTCAATGT	TTAACTGTC	GCTTACTATA
2281	ATATGCAGAA	TTCTGGGCTG	AGGGTGATGA	GATGAAGAAG	CTGGGCATAC	AGCCCATTCC
	TATACGTCTT	AAGACCCGAC	TCCCACTACT	CTACTTCTTC	GACCCGTATG	TCGGGTAAAG
2341	TATGATGGAC	AGAGACAAGC	GAGATGAAGT	CCCTCAAGGG	CAGCTCGGAT	TCTACAATGC
	ATACTACCTG	TCTCTGTTTG	CTCTACTTCA	GGGAGTTCCC	GTCGAGCCTA	AGATGTTACG
2401	TGTGGCCATT	CCCTGCTATA	CCACCTTGAC	GCAGATCCTC	CCACCCACAG	AGCCTCTGCT
	ACACCGGTAA	GGGACGATAT	GGTGGAACTG	CGTCTAGGAG	GGTGGGTGTC	TCGGAGACGA
2461	GAAGGCCTGC	AGGGATAACC	TCAATCAGTG	GGAGAAGGTA	ATTGCGGGGG	AAGAGACAGC
	CTTCCGGACG	TCCCTATTGG	AGTTAGTCAC	CCTCTTCCAT	TAAGCGCCCC	TTCTCTGTGC
2521	AATGTGGATT	TCAGGCCAG	GCCCGGCGCC	TAGCAAGAGC	ACACCTGAGA	AGCTGAACGT
	TTACACCTAA	AGTCCGGGTC	CGGGCCGCGG	ATCGTTTCTG	TGTGGACTCT	TCGACTTGCA
2581	GAAGGTTGAA	GACTGATCCT	GAAGTGACGT	CCTGATGTCT	GCCCAGCAAC	GACTCAACCT
	CTTCCAACCT	CTGACTAGGA	CTTCACTGCA	GGACTACAGA	CGGGTCGTTG	GCTGAGTTGG
2641	TGCTTCTGTG	ACTTCGTTCT	TTTTGTTTTC	AAGGGGTGAA	AACCCCTGTG	CAGAAGGTAC
	ACGAAGACAC	TGAAGCAAGA	AAAACAAAAG	TTCCCCACTT	TTGGGGGACA	GTCTTCCATG

Figure 15 (con't)

PDE10a and RACEs compiled

2701	CGTCGCATAT	CCATGTGAAG	CAGACGACTC	CCTGCTTGCC	GCACACACCT	CGGACAGTGA
	GCAGCGTATA	GGTACACTTC	GTCTGCTGAG	GGACGAACGG	CGTGTGTGGA	GCCTGTCACT
2761	GCAACCCAGG	CTCTGCCGTG	TTCAGACGTC	GGCTACTCCG	TGGCTCCACC	TGACCTCCGA
	CGTTGGGTCC	GAGACGGCAC	AAGTCTGCAG	CCGATGAGGC	ACCGAGGTGG	ACTGGAGGCT
2821	ATGCTATTTG	CTCCCAGGCC	AGCACTGCAC	TGTCTGGAGG	GGGCAGAGAC	CACAGGAGAG
	TACGATAAAC	GAGGGTCCGG	TCGTGACGTG	ACAGACCTCC	CCCGTCTCTG	GTGTCCTCTC
2881	GTTCTTGCCCT	GCATCCTCCC	ATGAGGGTGT	GGCCAGTTCC	CTAGTTCTGT	GCCATGCTGC
	CAAGAACGGA	CGTAGGAGGG	TACTCCCACA	CCGGTCAAGG	GATCAAGACA	CGGTACGACG
2941	TGCTTGGTGG	CATTGGTTAG	GAATGGGACA	CACGCCCCCT	GTTGTGAAGT	TTACATGTGA
	ACGAACCACC	GTAACCAATC	CTTACCCTGT	GTGCGGGGAA	CAACACTTCA	AATGTACACT
3001	CCTTCTTATA	GGTTAACTGA	GTTTGTGGCC	TGGACACATG	TAATGAAGGT	CACAGTCCAC
	GGAAGAATAT	CCAATTGACT	CAACACCCGG	ACCTGTGTAC	ATTACTTCCA	GTGTCAGGTG
3061	AGGTGACAGA	GAAATCCAAA	CTGTTGATTA	CAGGTGCACT	ACAGGTATGC	TCTTTCAGTC
	TCCACTGTCT	CTTTAGGTTT	GACAACATA	GTCCACGTGA	TGTCCATACG	AGAAAGTCAG
3121	TATCTGGGGG	CACATAGGTG	AGTCTGCTCC	ACTCAGAANN	AAGCATACCT	CTGCCCTCAT
	ATAGACCCCC	GTGTATCCAC	TCAGACGAGG	TGAGTCTTNN	TTCGTATGGA	GACGGGAGTA
3181	CCAGGGGACA	CAGGGTACAT	CCCAGGCATC	GGGGAACCTGA	AGCTCTCACT	TCAAACCATG
	GGTCCCCCTGT	GTCCCATGTA	GGGTCCGTAG	CCCCTTGACT	TCGAGAGTGA	AGTTTGGTAC
3241	TCAAAGAATT	AAAACACCTC	CCCTCCCCCT	CACTGTAGCC	TTCGACAAC	GCGCCAATCC
	AGTTTCTTAA	TTTTGTGGAG	GGGAGGGGGA	GTGACATCGG	AAGCTGTTGA	CGCGGTTAGG
3301	CTTTATACAA	AGAAAATAAA	AGTAAGGCAT	ATAAATTTCC	TCCAGCAAGC	AAATCTTGTG
	GAAATATGTT	TCTTTTATTT	TCATTCCGTA	TATTTAAAGG	AGGTCGTTCC	TTTAGAACAC
3361	GGTAAAAAAA	AAGCATGTGA	ATNNTAACAA	CNTCTANANT	NTCNCNGNAT	GTTATGGCAG
	CCATTTTTTT	TTCGTACACT	TANNATTGTT	GNAGATNTNA	NAGNGNCNTA	CAATACCGTC
3421	AATTTTAGTC	ACGTCCAAAA	CAAAAAGATT	ATTCCAGAAG	ATACCTCATC	CTATGCCTGA
	TTAAAATCAG	TGCAGGTTTT	GTTTTTCTAA	TAAGGTCTTC	TATGGAGTAG	GATACGGACT
3481	AAGGCTCCAC	AGCATGGCGT	CCGTCTCCCA	GGGTTCTGAT	CCGTCTCCTC	ACGGTGCAAT
	TTCCGAGGTG	TCGTACCGCA	GGCAGAGGGT	CCCAAGACTA	GGCAGAGGAG	TGCCACGTTA
3541	CAGGCAGGAC	AGAGAGGAGG	GCTGCAGGGC	TACCACATTG	ACCCAGAAGG	TATCTCCTCT
	GTCCGTCTCTG	TCTCTCCTCC	CGACGTCCCG	ATGGTGTAAC	TGGGTCTTCC	ATAGAGGAGA
3601	CACCATTTCAG	ACATCCATAA	GGAATGCCAA	ATGCTGTATT	GAATAGTTCT	CTGTGTGACT
	GTGGTAAGTC	TGTAGGTATT	CCTTACGGTT	TACGACATAA	CTTATCAAGA	GACACACTGA
	XbaI					
3661	TTCTAGAGAA	GCCAGGACAC	CCTGAGCCTT	TCCNGGGGAA	CTCTAAGGAG	TCACAGGTTT
	AAGATCTCTT	CGGTCTCTGT	GGACTCGGAA	AGGNCCCCTT	GAGATTCCTC	AGTGTTCCAAG
3721	ACACCGTGGG	GATTTTCAGG	ATAGCATGGA	GACAGAGATC	CGGTCGTTGT	TCTCACTCGT
	TGTGGCACCC	CTAAAAGTCC	TATCGTACCT	CTGTCTCTAG	GCCAGCAACA	AGAGTGAGCA
3781	GAGCCTTGAG	AAGGAGAGAC	TGACCAGAAA	CACTCACTCA	GCACTCTGCA	GGAGCAGGAG
	CTCGGAACCTC	TTCCTCTCTG	ACTGGTCTTT	GTGAGTGAGT	CGTGAGACGT	CCTCGTCCCTC
3841	AAGATACTTT	AAGATGAATC	TTGGATAGAT	TTTGATACAC	CCAATACCAT	ACACACAGGA
	TTCTATGAAA	TTCTACTTAG	AACCTATCTA	AAACTATGTG	GGTTATGGTA	TGTGTGTCTT
3901	GCTTGGCATT	TGCAAAGTCT	ATTCAGTTTC	CTTCCGCGCT	CTGACCCACG	GTTGTAGCGG
	CGAACCGTAA	ACGTTTTCAGA	TAAGTCAAAG	GAAGGCGCGA	GACTGGGTGC	CAACATCGCC
3961	AGTGGGCTGA	AACTGTAAAC	ACTGTACATG	CGATTTCCCC	ATGGGCTTCT	AAAATGTCAC
	TCACCCGACT	TGTGACATTG	TGACATGTAC	GCTAAAGGGG	TACCCGAAGA	TTTTACAGTG
4021	CATCTCCTCC	CCTGCTGTGT	CCTACTCCAT	TTACTGGTTA	CAAGGTGATG	TCAACAAGAG
	GTAGAGGAGG	GGACGACACA	GGATGAGGTA	AATGACCAAT	GTTCCACTAC	AGTTGTTCTC

Figure 15 (con't)

PDE10a and RACEs compiled

4081	AAGCTATCAC	AACACCAGGG	CTGTGCACAC	GTGCACACAC	ATGTATGCAC	AAGCACACAG
	TTCGATAGTG	TTGTGGTCCC	GACACGTGTG	CACGTGTGTG	TACATACGTG	TTCGTGTGTC
4141	ATGTATGTAC	AGCACACACA	CACACACACA	CCCCAAAAGG	AGAGAAAAGG	AAGAAAACAT
	TACATACATG	TCGTGTGTGT	GTGTGTGTGT	GGGGTTTTTC	TCTCTTTTCC	TTCTTTTGTA
4201	TTATAAAAAG	CGACAGCTAC	CCCATATCAA	AATAGTCTTT	CCTGTAGGAA	ACAGGAGCTC
	AATATTTTTTC	GCTGTGCGATG	GGGTATAGTT	TTATCAGAAA	GGACATCCTT	TGTCCTCGAG
4261	TCCATAAGGA	ATTATCATGA	GTGTGTTCTC	CCATCAGTGC	ACTCTCCCAG	GGGTGCTCAC
	AGGTATTCCCT	TAATAGTACT	CACACAAGAG	GGTAGTCACG	TGAGAGGGTC	CCCACGAGTG
4321	TGAAGCTGGT	CCACRTCTAT	AAACAGGTGA	CACTGGCTGC	AGCAAAAAGC	CATTGATCC
	ACTTCGACCA	GGTGRAGATA	TTTGTCCACT	GTGACCGACG	TCGTTTTTCG	GTAAGCTAGG
4381	ACACAAATTG	ATCTTCTATC	ATCTTGGAAT	CTGAATTGCA	GGGAGGAGCA	GYATGTAAGA
	TGTGTTTAAC	TAGAAGATAG	TAGAACCTTA	GACTTAACGT	CCCTCCTCGT	CYTACATTCT
4441	CGACCGTTTA	ATTCAGGCAT	TCCGAAGGCA	TGAGCGCATG	GATTCTRTCA	CCAAGCGTAT
	GCTGGCAAAT	TAAGTCCGTA	AGGCTTCCGT	ACTCGCGTAC	CTAAGARAGT	GGTTCGCATA
4501	AAAAGGACCC	TGGCATTGGG	AAACCTATGA	CGGACTGTTT	TTGCTGTAGA	AGTAGGGATT
	TTTTCTGGG	ACCGTAACCC	TTTGGATACT	GCCTGACAAA	AACGACATCT	TCATCCCTAA
4561	TTACAGAAGT	CTCCTTGRAT	TTGCCCTGCC	TGGGGCAGTT	TTGCAGAGGA	ACCTGCCAGA
	AATGTCTTCA	GAGGAACRTA	AACGGGACGG	ACCCCGTCAA	AACGTCTCCT	TGGACGGTCT
4621	GATTTATTGG	CTGGTCAGTC	TCTTGTAATA	TAGTATCATG	TGAGAAACAG	TTGTAGAAA
	CTAAATAACC	GACCAGTCAG	AGAACACTTT	ATCATAGTAC	ACTCTTTGTC	AAACATCTTT
4681	AAAACATATC	CTGGGAAGAC	CTTTGCAACA	TTGTTCCCTC	CATGGGCCAA	GACTCAGTTA
	TTTTGATATG	GACCCTTCTG	GAAACGTTGT	AACAAGGAAG	GTACCCGGTT	CTGAGTCAAT
4741	GGAGGCATAA	ATCTGCCCGG	AATAAACTAG	GCCAGGATAC	AGCCATGTTT	AGTTAATAAT
	CCTCCGTATT	TAGACGGGCC	TTATTTGATC	CGGTCCTATG	TCGGTACAAA	TCAATTATTA
		EcoRI				
4801	TTGGTTTTAG	AATTCACACA	GGCAGGATTG	GTTTTTTTTGT	GTCTTGGCAA	GTGGAGCATA
	AACCAAAATC	TTAAGTGTGT	CCGTCCTAAC	CAAAAAACA	CAGAACCGTT	CACCTCGTAT
4861	TTTAACATAC	AGGCATGGGA	ATCCTGCCTC	TTAGCTTTTC	CCACCCTCTT	GTCTCACCAA
	AAATTGTATG	TCCGTACCCT	TAGGACGGAG	AATCGAAAAG	GGTGGGAGAA	CAGAGTGGTT
4921	GTTTTTTCTC	TCCAAAGGTT	TCCAGGAATT	TCTCATTAAT	GGCTGATGCA	AACTTAGTGA
	CAAAAAGAG	AGGTTTCCAA	AGGTCCTTAA	AGAGTAATTA	CCGACTACGT	TTGAATCACT
4981	ATAATAATGA	ATATAACAA	TGCTCACCTC	ACCAAATTA	TATTATTTGC	AGTCATTTGT
	TATTATTACT	TATATTTGTT	ACGAGTGGAG	TGGTTTTAAT	ATAATAACG	TCAGTAAACA
5041	GATAACACAA	ATTTTATCGC	AATGGTTATT	ATTTAATTTG	TGGCCACACA	CTGTGGTTAT
	CTATTGTGTT	TAAAATAGCG	TTACCAATAA	TAAATTAAAC	ACCGGTGTGT	GACACCAATA
5101	CTTTTGTTGT	GGTTGTTTCT	GAGAAAATGT	TCTTGGATAT	GTAAGTGCCA	ATACCAGTGT
	GAAAACAACA	CCAACAAGA	CTCTTTTACA	AGAACCTATA	CATTCACGGT	TATGGTCACA
5161	GAAGTATTGA	TCCC GGCGAG	CAAATACAG	CCTAAGGTTT	GTAAACATCA	ATTCTATCTC
	CTTCATAACT	AGGGCCCGTC	GTTTTATGTC	GGATTCCAAA	CATTGTAGT	TAAGATAGAG
5221	AGTTCATCAG	AGGGCCTGAG	AAGCTGCGGG	GCAGTGTAAG	GTAAAGTATG	CTGGGCTGGT
	TCAAGTAGTC	TCCC GGACTC	TTCGACGCCC	CGTCACATTT	CATTTCATAC	GACCCGACCA
5281	GGTGGTCAGC	CTCCCTTTCG	CAAGAAGAGA	GCAATTGAAT	CCTGTCCCCA	GCTCCCTCCA
	CCACCAGTCG	GAGGGGAACG	GTTCTTCTCT	CGTTAACTTA	GGACAGGGGT	CGAGGGAGGT
5341	CGCCTGAAGA	GTGACCAGTG	CTGGCCCGAC	GGATCGCTGA	GATATTCTCC	CATAATGGCA
	GCGGACTTCT	CACTGGTCAC	GACCGGGCTG	CCTAGCGACT	CTATAAGAGG	GTATTACCGT
5401	AAAAAATAGG	CAGTTTGATG	TGACCTGTTT	AGTGTGGCTC	TCCTCTTTTG	AGCATGTGTT
	TTTTTTATCC	GTCAAACCTAC	ACTGGACAAA	TCACACCGAG	AGGAGAAAAC	TCGTACACAA

Figure 15 (con't)

PDE10a and RACES compiled

5461	AGCATTTTTA	TTTTATACTC	ATCCAGTGAA	CTCTGCTCTT	CCAAGTGTGT	TCATGTATGT
	TCGTAAAAAT	AAAATATGAG	TAGGTCACTT	GAGACGAGAA	GGTTCACACA	AGTACATACA
5521	GCTAGATATA	TTAGCACAGC	CTGCCTTCTG	CTGCACAACG	CCTTAGAGAC	CCGGCCTTTC
	CGATCTATAT	AATCGTGTCTG	GACGGAAGAC	GACGTGTTGC	GGAATCTCTG	GGCCGGAAG
5581	AATGAGCTTA	GCTTGTGCTC	TGTTTCTGCT	CTCTTAGGTC	TAAACTATGG	TGTCAGTTTT
	TTACTCGAAT	CGAACACGAG	ACAAAGACGA	GAGAATCCAG	ATTTGATACC	ACAGTCAAAA
5641	AATAGAACAA	AAGTATGCAT	CTTGCTTGG	CTTGAGCCTT	TTCGTTTTCA	ATGCTGACTT
	TTATCTTGTT	TTCATACGTA	GAACGGAACC	GAACCTCGGAA	AAGCAAAAAGT	TACGACTGAA
5701	CTCCCCTTTC	TCTCCTGTGC	TCACCTTACC	TTTCCAGAGT	GTAAGGGACA	ACTTTTAAGG
	GAGGGGAAAG	AGAGGACACG	AGTGAATGG	AAAGGTCTCA	CATTCCCTGT	TGAAAATTCC
5761	AGGCGTGTCC	CTGGTAGGGG	CATCCCTGTT	CACCAGGTGC	CTGTCATCAC	CCCACTTGAC
	TCCGCACAGG	GACCATCCCC	GTAGGGACAA	GTGGTCCACG	GACAGTAGTG	GGGTGAAC TG
5821	TGACATCTAC	CCTGGTGACT	ATGGGTTCCCT	CTTGTTTGTA	GGGAACGGTG	GCTCCAGGTG
	ACTGTAGATG	GGACCACTGA	TACCCAAGGA	GAACAAACAT	CCCTTGCCAC	CGAGGTCCAC
5881	GAGGCATCAA	TCTGTTGGGT	TCTGGTTCCC	GGCTGCCTTT	GGTTTTGAAA	GTCTCTTCTC
	CTCCGTAGTT	AGACAACCCA	AGACCAAGGG	CCGACGGAAA	CCAAAAC TTT	CAGAGAAGAG
5941	TGTATATTCC	TACCTGTCAT	TTGCTTTGTG	TGGTGCTGAT	GCTGTGGCAG	TAGGATCTTG
	ACATATAAGG	ATGGGACGTA	AACGAAACAC	ACCACGACTA	CGACACCGTC	ATCCTAGAAC
6001	GATGACTCTC	CATCAGTCAC	AGACTCCCCC	TGTTGCAAAG	TGTCAGGCTG	ACTCGACAGT
	CTACTGAGAG	GTAGTCAGTG	TCTGAGGGGG	ACAACGTTTC	ACAGTCCGAC	TGAGCTGTCA
6061	CACCGTAAAA	TCTGAGTCAG	TCACACACAG	GCTGTCAGCC	ACGGCTTCCA	CTTGTCATGGC
	GTGGCATTTT	AGACTCAGTC	AGTGTGTGTC	CGACAGTCGG	TGCCGAAGGT	GAACGTACCG
6121	TATTTCTATTT	TCACACGTGA	GTTTCTGTTG	CTGGCTGGCT	GACTGGCATT	ATCTATGCTA
	ATAAGATAAA	AGTGTGCACT	CAAAGACAAC	GACCGACCGA	CTGACCGTAA	TAGATACGAT
6181	AGTTGAAATC	AGGAGTGTGC	CCAGCAGAGC	CCATCATTCT	CAGTGTCTTT	GAAACAAAGC
	TCAACTTTAG	TCCTCACACG	GGTCGTCTCG	GGTAGTAAGA	GTGACAGAAA	CTTTGTTTCG
6241	TGTACGGTTT	GATCGATGAA	CGTATTTAAA	GCATTTTCATG	CAATGACAAA	GTGCTCAGTA
	ACATGCCAAA	CTAGCTACTT	GCATAAATTT	CGTAAAGTAC	GTTACTGTTT	CACGAGTCAT
6301	GTGGAAGGCA	GGCTGTGACC	AGTCTGCCTG	CTCCTTACTA	TAATTGTGAG	GATTTGTTAC
	CACCTTCCGT	CCGACACTGG	TCAGACGGAC	GAGGAATGAT	ATTAACACTC	CTAAACAATG
6361	TGGAACAGTA	CATGGAGGCC	TGACCTTGTG	GGGGCACAGG	GTGGAACCTT	AGCTGAATAT
	ACCTTGTCAT	GTACCTCCGG	ACTGGAACAC	CCCCGTGTCC	CACCTTGGA	TCGACTTATA
6421	AGTGTGTGTC	TCAAGAGGAA	GTCAGGGTAC	TAGCTCAGTG	CTCAATCTCC	AGGTACTATA
	TCACACACAG	AGTTCTCCTT	CAGTCCCATG	ATCGAGTCAC	GAGTTAGAGG	TCCATGATAT
6481	TATACATTTG	CCCGTTTTAT	CTCTAATGTG	AAATAAATCC	CCAAACACTT	GTTTATCGTG
	ATATGTAAAC	GGGCAAATA	GAGATTACAC	TTTATTTAGG	GGTTTGTGAA	CAAATAGCAC
6541	TAGCGTACCT	AAAAGACTAT	TCTATTATGG	GTGTCCCCAC	TTTCTTGGTT	TGGTCACCCC
	ATCGCATGGA	TTTTCTGATA	AGATAATACC	CACAGGGGTG	AAAGAACCAA	ACCAGTGGGG
			XbaI			
6601	GATCCCCCGG	TCTTCTGCTG	TATCTAGAAC	AGTGACTATA	AATGATGTAT	GGGAATAGTG
	CTAGGGGGCC	AGAAGACGAC	ATAGATCTTG	TACTGATAT	TTACTACATA	CCCTTATCAC
6661	TTTCCATATG	ATCTGTTGTC	TGGAGTATAT	GCTACATGTT	CATTTACTGT	ACAAAAACCC
	AAAGGTATAC	TAGACAACAG	ACCTCATATA	CGATGTACAA	GTAATGACA	TGTTTTTGGG
6721	AGTGCAGCTG	ATGATGCAAA	GCAGTCTCTC	TCTGTGTACA	GTGCCCCACC	TATTTAAAAA
	TCACGTCGAC	TACTACGTTT	CGTCAGAGAG	AGACACATGT	CACGGGGTGG	ATAAATTTTT
6781	TCACGTACAA	NCCCAGAACA	CTGTGAAACA	CTTAACATAA	GAAACAAACG	CAGCGTCTGG
	AGTGCATGTT	NGGGTCTTGT	GACACTTTGT	GAATTGTATT	CTTTGTTTGC	GTGCGAGACC

Figure 15 (con't)

PDE10a and RACEs compiled

6841	ATTCTTTCCA	AGGAGAGCAG	CTTTCTCCAC	AGGAACACAG	TAACAAAAGA	GGTCCGCCGC
	TAAGAAAGGT	TCCTCTCGTC	GAAAGAGGTG	TCCTTGTC	ATTGTTTTCT	CCAGGCGGCG
6901	CATCCACACC	CAGCCAAGAC	ACCTCAGAGG	CCATAGGGAC	AACCTCCTTG	CTGGCCAACA
	GTAGGTGTGG	GTCGGTTCTG	TGGAGTCTCC	GGTATCCCTG	TTGGAGGAAC	GACCGGTTGT
6961	CCTGCTGGAG	CAGGGCACAG	GTCCCAGCAA	CTGATCCTCA	GTGGATGGGT	CCGCAGTCAA
	GGACGACCTC	GTCCCGTGTG	CAGGGTCTGT	GACTAGGAGT	CACCTACCCA	GGCGTCAGTT
7021	AGCCTTAATG	GGCTCTCTTT	TGAAGGGGAA	AGAAANNTTT	CAAGCTTATG	ATATCCAACA
	TCGGAATTAC	CCGAGAGAAA	ACTTCCCCTT	TCTTTNNA	GTTTCAATAC	TATAGGTTGT
7081	TTATTATAGT	TGATGAGTTA	GTAAATTCG	AAAAAAAAAG	ATGATTTTAT	ATGTATGACA
	AATAATATCA	ACTACTCAAT	CATTTAAGGC	TTTTTTTTTC	TACTAAAATA	TACATACTGT
7141	TAAAAAAAAT	CTTTGTAAAG	TGCGCAAGTG	CAATAATTTA	AAGAGGTCTT	ATCTTTGCAT
	ATTTTTTTTA	GAAACATTTT	ACGCGTTCAC	GTTATTAAAT	TTCTCCAGAA	TAGAAACGTA
7201	TTATAAATTA	TAAATATTGT	ACATGTGTGT	AATTTTTCAT	GTATTCATTT	GCAGTCTTTG
	AATATTTAAT	ATTTATAACA	TGTACACACA	TTAAAAAGTA	CATAAGTAAA	CGTCAGAAAC
7261	TATTTAAAAA	AACTTTACTG	TTATGTTTGT	ATAATAGAAC	ATTAATCATT	TATTATAACT
	ATAAATTTTT	TTGAAATGAC	AATACAAACA	TATTATCTTG	TAATTAGTAA	ATAATATTGA
7321	CAGACAAGGT	GTAAATAAAT	TCATAATTCA	AACAGCCAGT	ATATATGCAT	ATATGGGTGT
	GTCTGTTCCA	CATTTATTTA	AGTATTAAGT	TTGTCGGTCA	TATATACGTA	TATACCCACA
7381	TACATTGCAA	AAATCTCTAT	CTTTGTTCTA	TTCACATGCT	TAAAGAAGTA	AGAAATCTTT
	ATGTAACGTT	TTTAGAGATA	GAAACAAGAT	AAGTGTACGA	ATTTCTTCAT	TCTTTAGAAA
7441	TGTGGATATG	TAATTATACA	TATAAAGTAT	ATATATATGT	ATGATACATG	AAATATATTT
	ACACCTATAC	ATTAATATGT	ATATTTTATA	TATATATACA	TACTATGTAC	TTTATATAAA
7501	AGAAATGTTT	ATAATTTTAA	TGGATATTCT	TTGGTGTGAA	TAATTGAATA	CAACATTTTT
	TCTTTACAAG	TATTAAAATT	ACCTATAAGA	AACCACACTT	ATTAACCTTAT	GTTGTAAAAA
7561	AAAATGAAAA	AAAAAAAAAA	C			
	TTTTACTTTT	TTTTTTTTTT	G			

Figure 16

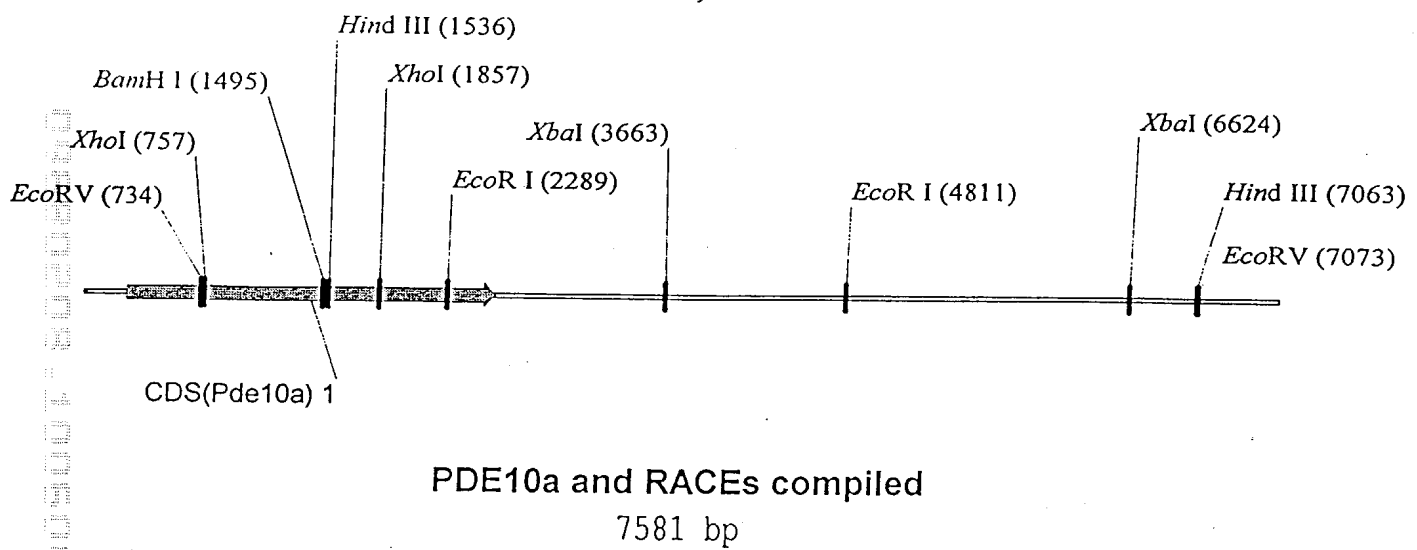
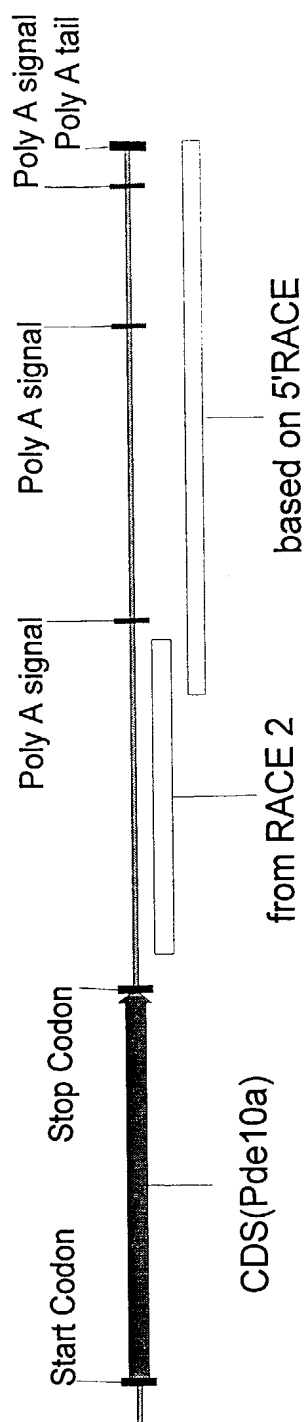


Figure 17

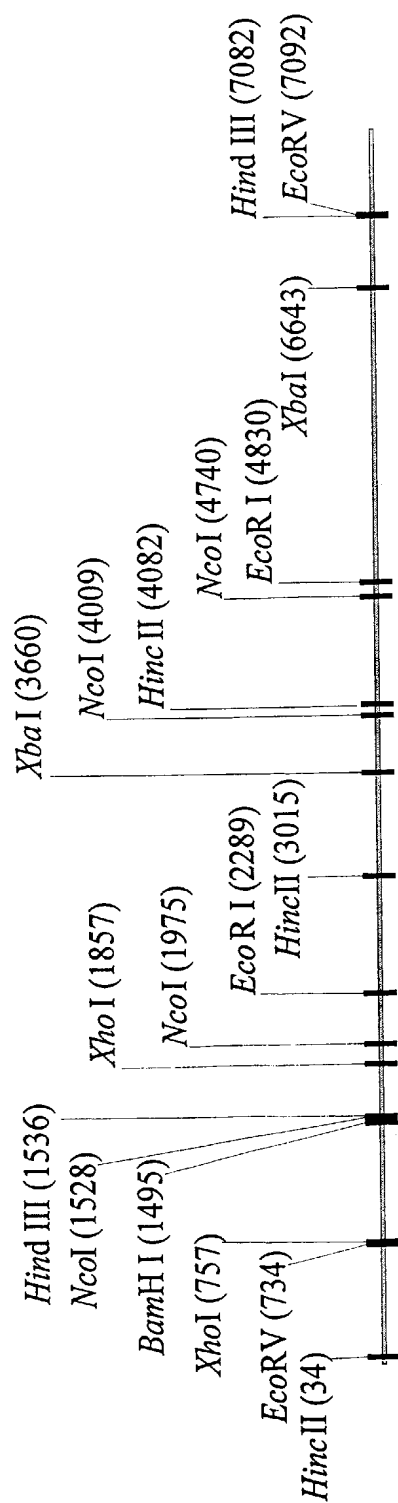
PDE10A compiled - coding sequence and features



PDE10A compiled

7618 bp

Figure 18 PDE10A compiled - restriction sites



PDE10A compiled

7618 bp

Figure 19

PDE10A compiled

1	CGCCCGGGCA	GGTCTGTTGG	AGGGCAGTTG	GTCAACCTGA	CCAGAGAGAG	CTGAGCTGGA
	GCGGGGCCCGT	CCAGACAACC	TCCCGTCAAC	CAGTTGGACT	GGTCTCTCTC	GA CTGACCT
61	AGACCCCACT	GATGGTGTGC	TGCCTTTCAG	TCCAGGAAGA	AAGAAAGGAA	GGATTCTGAG
	TCTGGGGTGA	CTACCACACG	ACGGAAAGTC	AGGTCCTTCT	TTCTTTCCTT	CCTAAGACTC
121	GATTTGGGCA	AAGCCACATT	CCTGGAGAAG	TCTGTATACT	GATGCCAAAC	CCAAGAGCTG
	CTAAACCCGT	TTCCGTGTAA	GGACCTCTTC	AGACATATGA	CTACGGTTTG	GGTTCTCGAC
181	AGTGCTGAT	GAGGCCCAGG	GAGTAGCCCA	CGCGCCCTGA	GCTGTTGGCT	AGCAAGGCCT
	TCGACGACTA	CTCCGGGTCC	CTCATCGGGT	GCGCGGGACT	CGACAACCGA	TCGTTCCGGA
241	TCCTGCTCCA	TGTGGCATGG	AAAAATTATA	TGGTTTGACG	GATGAAAAGG	TGAAGGCCTA
	AGGACGAGGT	ACACCGTACC	TTTTTAATAT	ACCAAAGTGC	CTACTTTTCC	ACTTCCGGAT
301	TCTTCTCTC	CATCCCCAGG	TATTAGATGA	ATTTGTTTCT	GAAAGTGTTA	GTGCAGAGAC
	AGAAAAGAGAG	GTAGGGGTCC	ATAATCTACT	TAAACAAAGA	CTTTCACAAT	CACGTCTCTG
361	TGTGGAAAAG	TGGCTGAAGA	GGAAAACCAA	CAAAGCAAAA	GATGAACCAT	CTCCCAAGGA
	ACACCTTTTC	ACCGACTTCT	CCTTTTGGTT	GTTTCGTTTT	CTACTTGGTA	GAGGGTTCCT
421	AGTCAGCAGG	TACCAGGATA	CGAATATGCA	GGGAGTCGTG	TACGAGCTGA	ACAGCTACAT
	TCAGTCGTCC	ATGGTCCTAT	GCTTATACGT	CCCTCAGCAC	ATGCTCGACT	TGTCGATGTA
481	AGAGCAGCGC	CTGGACACGG	GCGGGGACAA	CCACCTGCTC	CTCTATGAGC	TCAGCAGCAT
	TCTCGTCGCG	GACCTGTGCC	CGCCCCGTGT	GGTGGACGAG	GAGATACTCG	AGTCGTCGTA
541	CATCAGGATA	GCCACAAAAG	CCGACGGATT	TGCACTGTAC	TTCTTTGGAG	AGTGCAATAA
	GTAGTCCTAT	CGGTGTTTTT	GGCTGCCTAA	ACGTGACATG	AAGGAACCTC	TCACGTTATT
601	TAGCCTGTGT	GTGTTTCATC	CACCCGGGAT	GAAGGAAGGC	CAACCCCGGC	TCATCCCTGC
	ATCGGACACA	CACAAGTATG	GTGGGGCCCTA	CTTCCTTCCG	GTTGGGGCCG	AGTAGGGACG
661	AGGGCCCATC	ACCCAGGGTA	CCACCATCTC	TGCCTACGTG	GCCAAGTCTA	GGAAGACGTT
	TCCCGGGTAG	TGGGTCCCAT	GGTGGTAGAG	ACGGATGCAC	CGGTTTCAGAT	CCTTCTGCAA
721	GTTGGTAGAG	GATATCCTTG	GGGATGAGCG	ATTTCTCTCGA	GGTACTGGCC	TGGAATCAGG
	CAACCATCTC	CTATAGGAAC	CCCTACTCGC	TAAAGGAGCT	CCATGACCGG	ACCTTAGTCC
781	AACCCGCATC	CAGTCTGTTC	TTTGCTTGCC	CATTGTCACT	GCCATTGGAG	ACTTGATTGG
	TTGGGCGTAG	GTCAGACAAG	AAACGAACGG	GTAACAGTGA	CGGTAACCTC	TGAAC TAACC
841	CATCCTTGAA	CTGTACAGGC	ACTGGGGCAA	AGAGGCCTTC	TGCCTCAGCC	ATCAGGAGGT
	GTAGGAACTT	GACATGTCCG	TGACCCCGTT	TCTCCGGAAG	ACGGAGTCGG	TAGTCCTCCA
901	TGCAACAGCC	AATCTTGCTT	GGGCTTCCGT	AGCAATACAC	CAGGTGCAGG	TGTGTAGAGG
	ACGTTGTCCG	TTAGAACGAA	CCCGAAGGCA	TCGTTATGTG	GTCCACGTCC	ACACATCTCC
961	TCTCGCCAAA	CAGACCGAAC	TGAATGACTT	CCTACTCGAC	GTATCAAAGA	CATACTTTGA
	AGAGCGGTTT	GTCTGGCTTG	ACTTACTGAA	GGATGAGCTG	CATAGTTTCT	GTATGAAACT
1021	TAACATAGTT	GCCATAGACT	CTCTACTTGA	ACACATCATG	ATATATGCAA	AAAATCTAGT
	ATTGTATCAA	CGGTATCTGA	GAGATGAAC	TGTGTAGTAC	TATATACGTT	TTTTAGATCA
1081	GAACGCCGAC	CGCTGCGCGC	TCTTCCAGGT	GGACCACAAG	AACAAGGAGC	TGTACTCGGA
	CTTGCGGCTG	GCGACGCGCG	AGAAGGTCCA	CCTGGTGTTC	TTGTTCTCTG	ACATGAGCCT
1141	CCTGTTTGAC	ATTGGGGAGG	AGAAGGAGGG	GAAGCCCATC	TTCAAGAAGA	CCAAGGAGAT
	GGACAAACTG	TAACCCCTCC	TCTTCTTCCC	CTTCGGGTAG	AAGTTCTTCT	GGTTCTCTTA
1201	CAGATTTTCC	ATTGAGAAAAG	GGATTGCTGG	TCAAGTGGCA	AGAACAGGCG	AAGTCTTGAA
	GTCTAAAAGG	TAACCTTTTC	CCTAACGACC	AGTTCACCGT	TCTTGTCCGC	TTCAGAACTT
1261	CATTCCCGAT	GCCTACGCGG	ACCCTCGCTT	TAACAGGGAG	GTGGACCTGT	ACACAGGCTA
	GTAAGGGCTA	CGGATGCGCC	TGGGAGCGAA	ATTGTCCCTC	CACCTGGACA	TGTGTCCGAT
1321	CACCACGAGG	AACATTCTGT	GTATGCCCAT	AGTGAGCCGA	GGCAGCGTGA	TTGGCGTGGT
	GTGGTGCTCC	TTGTAAGACA	CATACGGGTA	TCACTCGGCT	CCGTCGCACT	AACCGCACCA

Figure 19 (con't)

PDE10A compiled

1381	GCAGATGGTG	AACAAGATCA	CGGGTAGCGC	CTTCTCCAAG	ACAGACGAGA	ACAACTTCAA
	CGTCTACCAC	TTGTTCTAGT	CGCCATCGCG	GAAGAGGTTT	TGTCTGCTCT	TGTTGAAGTT
1441	GATGTTTGCT	GTCTTCTGCG	CACTGGCCTT	GCACTGTGCT	AACATGTACC	ACAGGATCCG
	CTACAAACGA	CAGAAGACGC	GTGACCGGAA	CGTGACACGA	TTGTACATGG	TGTCCTAGGC
1501	CCACTCAGAA	TGCATCTACA	GGGTTACCAT	GGAGAAGCTT	TCCTACCACA	GCATCTGCAC
	GGTGAGTCTT	ACGTAGATGT	CCCAATGGTA	CCTCTTCGAA	AGGATGGTGT	CGTAGACGTG
1561	CTCCGAGGAG	TGGCAAGGCC	TCATGCGCTT	CAACCTACCA	GCACGCATCT	GCCGGGACAT
	GAGGCTCCTC	ACCGTTCCGG	AGTACGCGAA	GTTGGATGGT	CGTGCGTAGA	CGGCCCTGTA
1621	CGAGCTATTC	CACTTTGACA	TTGGTCCTTT	CGAGAACATG	TGGCCTGGGA	TCTTTGTCTA
	GCTCGATAAG	GTGAAACTGT	AACCAGGAAA	GCTCTTGTA	ACCGGACCCT	AGAAACAGAT
1681	CATGATCCAT	CGGTCTTGTTG	GGACATCCTG	TTTTGAACTT	GAAAAATTGT	GCCGTTTTAT
	GTACTAGGTA	GCCAGAACAC	CCTGTAGGAC	AAAACCTGAA	CTTTTTAACA	CGGCAAAATA
1741	CATGTCTGTG	AAGAAGAACT	ATCGGCGGGT	TCCTTACCAC	AACTGGAAGC	ATGCAGTCAC
	GTACAGACAC	TTCTTCTTGA	TAGCCGCCCA	AGGAATGGTG	TTGACCTTCG	TACGTCAGTG
1801	GGTGGCACAC	TGCATGTATG	CCATACTTCA	AAACAACAAT	GGCCTCTTCA	CAGACCTCGA
	CCACCGTGTG	ACGTACATAC	GGTATGAAGT	TTTGTGTGTA	CCGGAGAAGT	GTCTGGAGCT
1861	GCGCAAAGGC	CTGCTAATTG	CGTGTCTGTG	CCATGACCTG	GACCACAGGG	GCTTCAGTAA
	CGCGTTTCCG	GACGATTAAC	GCACAGACAC	GGTACTGGAC	CTGGTGTCCC	CGAAGTCATT
1921	CAGCTACCTG	CAGAAGTTCG	ACCACCCCTT	GGCGGCGCTG	TACTCCACCT	CCACCATGGA
	GTGATGGGAC	GTCTTCAAGC	TGGTGGGGGA	CCGCCGCGAC	ATGAGGTGGA	GGTGGTACCT
1981	GCAACACCAC	TTCTCCCAGA	CGGTGTCCAT	CCTTCAGCTG	GAAGGGCACA	ATATCTTCTC
	CGTTGTGGTG	AAGAGGGTCT	GCCACAGGTA	GGAAGTCGAC	CTTCCCGTGT	TATAGAAGAG
2041	CACCCTGAGC	TCCAGCGAGT	ACGAGCAGGT	GCTGGAGATC	ATCCGCAAAG	CCATCATCGC
	GTGGGACTCG	AGGTGCGTCA	TGCTCGTCCA	CGACCTCTAG	TAGGCGTTTC	GGTAGTAGCG
2101	CACCGACCTC	GCCCTATACT	TTGGGAACAG	GAAGCAGTTG	GAGGAGATGT	ACCAGACAGG
	GTGGCTGGAG	CGGGATATGA	AACCCTTGTC	CTTCGTCAAC	CTCCTCTACA	TGGTCTGTCC
2161	GTCGCTGAAC	CTCCACAACC	AGTCCCATCG	AGACCGTGTC	ATCGGCTTGA	TGATGACTGC
	CAGCGACTTG	GAGGTGTTGG	TCAGGGTAGC	TCTGGCACAG	TAGCCGAACT	ACTACTGACG
2221	CTGTGATCTT	TGCTCTGTGA	CCAAACTATG	GCCAGTTACA	AAATTGACAG	CGAATGATAT
	GACACTAGAA	ACGAGACACT	GGTTTGATAC	CGGTCAATGT	TTTAACTGTC	GCTTACTATA
2281	ATATGCAGAA	TTCTGGGCTG	AGGGTGATGA	GATGAAGAAG	CTGGGCATAC	AGCCCATTCC
	TATACGTCTT	AAGACCCGAC	TCCCACTACT	CTACTTCTTC	GACCCGTATG	TCGGGTAAGG
2341	TATGATGGAC	AGAGACAAGC	GAGATGAAGT	CCCTCAAGGG	CAGCTCGGAT	TCTACAATGC
	ATACTACCTG	TCTCTGTTCC	CTCTACTTCA	GGGAGTTCCC	GTGAGCCTA	AGATGTTACG
2401	TGTGGCCATT	CCCTGCTATA	CCACCTTGAC	GCAGATCCTC	CCACCCACAG	AGCCTCTGCT
	ACACCGGTAA	GGGACGATAT	GGTGGAACGT	CGTCTAGGAG	GGTGGGTGTC	TCGGAGACGA
2461	GAAGGCCTGC	AGGGATAACC	TCAATCAGTG	GGAGAAGGTA	ATTGCGGGGG	AAGAGACAGC
	CTTCCGGACG	TCCCTATTGG	AGTTAGTCAC	CCTCTTCCAT	TAAGCGCCCC	TTCTCTGTCC
2521	AATGTGGATT	TCAGGCCCCAG	GCCCCGGCGC	TAGCAAGAGC	ACACCTGAGA	AGCTGAACGT
	TTACACCTAA	AGTCCGGGTC	CGGGCCGCGG	ATCGTTCTCG	TGTGGACTCT	TCGACTTGCA
2581	GAAGGTTGAA	GACTGATCCT	GAAGTGACGT	CCTGATGTCT	GCCCAGCAAC	CGACTCAACC
	CTTCCAACCT	CTGACTAGGA	CTTCACTGCA	GGACTACAGA	CGGGTCGTTG	GCTGAGTTGG
2641	TGCTTCTGTG	ACTTCGTTCT	TTTTGTTTTT	AAGGGGTGAA	AACCCCTGT	CAGAAGGTAC
	ACGAAGACAC	TGAAGCAAGA	AAAAACAAAAG	TTCCCCACTT	TTGGGGGACA	GTCTTCCATG
2701	CGTCGCATAT	CCATGTGAAG	CAGACGACTC	CCTGCTTGCC	GCACACACCT	CGGACAGTGA
	GCAGCGTATA	GGTACACTTC	GTCTGCTGAG	GGACGAACGG	CGTGTGTGGA	GCCTGTCACT

Figure 19 (con't)

PDE10A compiled

2761	GCAACCCAGG	CTCTGCCGTG	TTCAGACGTC	GGCTACTCCG	TGGCTCCACC	TGACCTCCGA
	CGTTGGGTCC	GAGACGGCAC	AAGTCTGCAG	CCGATGAGGC	ACCGAGGTGG	ACTGGAGGCT
2821	ATGCTATTTG	CTCCCAGGCC	AGCACTGCAC	TGTCTGGAGG	GGGCAGAGAC	CACAGGAGAG
	TACGATAAAC	GAGGGTCCGG	TCGTGACGTG	ACAGACCTCC	CCCGTCTCTG	GTGTCCTCTC
2881	GTTCTTGCCT	GCATCCTCCC	ATGAGGGTGT	GGCCAGTTCC	CTAGTTCTGT	GCCATGCTGC
	CAAGAACGGA	CGTAGGAGGG	TACTCCACA	CCGGTCAAGG	GATCAAGACA	CGGTACGACG
2941	TGCTTGGTGG	CATTGGTTAG	GAATGGGACA	CACGCCCTT	GTTGTGAAGT	TTACATGTGA
	ACGAACCACC	GTAACCAATC	CTTACCCTGT	GTGCGGGGAA	CAACACTTCA	AATGTACACT
3001	CCTTCTTATA	GGTTAACTGA	GTTTGTGGCC	TGGGACACAT	GTAATGAAGG	TCACAGTCCA
	GGAAGAATAT	CCAATTGACT	CAAACACCGG	ACCCTGTGTA	CATTACTTCC	AGTGTCAAGT
3061	CAGGTGACAG	AGAAATCCAA	ACTGTTGATT	ACAGGTGCAC	TACAGGTATG	CTCTTTCAGT
	GTCCACTGTC	TCTTTAGGTT	TGACAATAA	TGTCCACGTG	ATGTCCATAC	GAGAAAGTCA
3121	CTATCTGGGG	GCACATAGGT	GAGTCTGCTC	CACTCAGAAG	GAAGCATACC	TCTSCCCTCA
	GATAGACCCC	CGTGTATCCA	CTCAGACGAG	GTGAGTCTTC	CTTCGTATGG	AGASGGGAGT
3181	TCCAGGGGAC	ACAGGGTACA	TCCCAGGCAT	CGGGGAACTG	AAGCTCTCAC	TTCAAACCAT
	AGGTCCCCTG	TGTCCCATGT	AGGGTCCGTA	GCCCCTTGAC	TTCGAGAGTG	AAGTTTGGTA
3241	GTCAAAGAAT	TAAAACACCT	CCCCTCCCCC	TCACTGTAGC	CTTCGGCAAC	TGCGCCAATC
	CAGTTTCTTA	ATTTTGTGGA	GGGGAGGGGG	AGTGACATCG	GAAGCCGTTG	ACGCGGTTAG
3301	CCTTTATACA	AAGAAAATAT	AAGTAAGGCA	TATAAATTTT	CTCCAGCAAG	CAAATCTTGT
	GGAAATATGT	TTCTTTTATA	TTCATTCCGT	ATATTTAAAG	GAGGTCGTTT	GTTTAGAACA
3361	GGGTAAAAAA	AAAAAATGTG	AATTTTAAAC	ACCTCTATAT	TTTCACTGTA	TGTTATGGCA
	CCCATTTTTT	TTTTTTACAC	TTAAAATTGT	TGGAGATATA	AAAGTGACAT	ACAATACCGT
3421	GAATTTTAGT	CACGTCCAAA	ACAAAAGATT	ATTCCAGAAG	ATACCTCATC	CTATGCCTGA
	CTTAAAATCA	GTGCAGGTTT	TGTTTTCTAA	TAAGGTCTTC	TATGGAGTAG	GATACGGACT
3481	AAGCTCCACA	GCATGGCGTC	CGTCTCCCAG	GGTTCTGATC	CGTCTCCTCA	CGGTGCAATC
	TTCGAGGTGT	CGTACCGCAG	GCAGAGGGTC	CCAAGACTAG	GCAGAGGAGT	GCCACGTTAG
3541	AGGCAGGACA	GGAGGAGGTG	CAGGGCTACC	ACATTGACCC	AGATGGTATC	TCCTCTCACC
	TCCGTCCCTGT	CCTCCTCCAC	GTCCCGATGG	TGTAACCTGG	TCTACCATAG	AGGAGAGTGG
3601	ATTCAGACAT	CCATAAGGAA	TGCCAAATGC	TGTATTGAAT	AGTTCTCCTG	TGTGACTTTC
	TAAGTCTGTA	GGTATTCCTT	ACGGTTTACG	ACATAACTTA	TCAAGAGGAC	ACACTGAAAG
3661	TAGAGAAGCC	AGGACACCCC	TGAGCCTTTC	CTGGGAACTC	CTAAGGAAGT	CACAGGTTCA
	ATCTCTTCGG	TCCTGTGGGG	ACTCGGAAAG	GACCCCTTGAG	GATTCCTTCA	GTGTCCAAGT
3721	CACCGTGGGG	ATTTTCAGGA	TAGCATGGAG	ACCAGAGAAT	CCCGGTTCCG	TTGTTCTCAC
	GTGGCACCCC	TAAAAGTCCT	ATCGTACCTC	TGGTCTCTTA	GGGCCAAGCC	AACAAGAGTG
3781	TCGGTGAGCC	TTGAGAAGGA	AGAGACTGAC	CAGAAACACT	CACTCAGCAC	TCTGGCAGGA
	AGCCACTCGG	AACTCTTCCT	TCTCTGACTG	GTCTTTGTGA	GTGAGTCGTG	AGACCGTCCT
3841	GCAGGAGAAG	ATACTTTAAG	ATGAATCTTT	GGGATAGATT	TTGATACACC	CAATACCATA
	CGTCCCTCTC	TATGAAATTC	TACTTAGAAA	CCCTATCTAA	AACTATGTGG	GTTATGGTAT
3901	CACACAGGAG	CTTGGCATT	GCAAAGTCTA	TTCAGTTTCC	TTCCACACTC	TGACCCACGG
	GTGTGTCCCT	GAACCGTAAA	CGTTTCAGAT	AAGTCAAAGG	AAGGTGTGAG	ACTGGGTGCC
3961	TTGTAGCGGA	GTGGGCTGAA	CACTGTAACA	CTGTACATGC	GATTTCCCCA	TGGGCTTCTA
	AACATCGCCT	CACCCGACTT	GTGACATTGT	GACATGTACG	CTAAAGGGGT	ACCCGAAGAT
4021	AAATGTCACC	ATCTCCTCCC	CTGCTGTGTC	CTACTCCATT	TACTGGTTAC	AAGGTGATGT
	TTTACAGTGG	TAGAGGAGGG	GACGACACAG	GATGAGGTAA	ATGACCAATG	TTCCACTACA
4081	CAACAAGAGA	AGCTATCACA	ACACCAGGGC	TGTGCACACG	TGCACACACA	TGTATGCACA
	GTTGTTCTCT	TCGATAGTGT	TGTGGTCCCG	ACACGTGTGC	ACGTGTGTGT	ACATACGTGT

Figure 19 (con't)

PDE10A compiled

4141	AGCACACAGA	TGTATGTACA	GCACACACAC	ACACACACAC	CCCCAAAGGA	GAGAAAAGGA
	TCGTGTGTCT	ACATACATGT	CGTGTGTGTG	TGTGTGTGTG	GGGTTTTCTT	CTCTTTTCTT
4201	AGAAAACATT	TATAAAAAGC	GACAGCTACC	CCCATATTCA	AAAATAGTTC	TTTTCCCTGT
	TCTTTTGTAA	ATATTTTTCG	CTGTGCGATG	GGGTATAAGT	TTTTATCAAG	AAAAGGGACA
4261	AGGGAAACAG	GTAGCTCTCC	ATAAGGAAAT	TATCATGAGT	GTGTTCTCCC	ATCAGTGCAC
	TCCCTTTGTC	CATCGAGAGG	TATTCCTTTA	ATAGTACTCA	CACAAGAGGG	TAGTCACGTG
4321	TTCTCCCAGG	GGTGCTCACT	GAAGCTGGTC	CACGTCTATA	AACAGGTGAC	ACTGGCTGCA
	AAGAGGGTCC	CCACGAGTGA	CTTCGACCAG	GTGCAGATAT	TTGTCCACTG	TGACCGACGT
4381	GCAAAAAGCC	ATTGATCCA	CACAAATTGA	TCTTCTATCA	TCTTGGAATC	TGAATTGCAG
	CGTTTTTCGG	TAAGCTAGGT	GTGTTTAACT	AGAAGATAGT	AGAACCCTAG	ACTTAACGTC
4441	GGAGGAGCAG	CATGTAAGAC	GACCGTTTAA	TTCAGGCATT	CCGAAGGCAT	GAGCGCATGG
	CCTCCTCGTC	GTACATTCTG	CTGGCAAATT	AAGTCCGTAA	GGCTTCCGTA	CTCGCGTACC
4501	ATTCTGTCAC	CAAGCGTATA	AAAGGACCTT	GGCATTGGGA	AACCTATGAC	GGACTGTTTT
	TAAGACAGTG	GTTCGCATAT	TTTCCTGGGA	CCGTAACCCT	TTGGATACTG	CCTGACAAAA
4561	TGCTGTAGAA	GTAGGGATTT	TACAGAAAGT	TCCTTGGAAT	TGCCCTGCCT	GGGGCAGTTT
	ACGACATCTT	CATCCCTAAA	ATGTCTTCAG	AGGAACCTAA	ACGGGACGGA	CCCCGTCAAA
4621	TGCAGAGGAA	CCTGCCAGAG	ATTTATTGGC	TGGTCAGTCT	CTTGTGAAAT	AGTATCATGT
	ACGTCTCCTT	GGACGGTCTC	TAAATAACCG	ACCAGTCAGA	GAACACTTTA	TCATAGTACA
4681	GAGAAACAGT	TTGTAGAAAA	AAACTATACC	TGGGAAGACC	TTTGCAACAT	TGTTCCCTCC
	CTCTTTGTCA	AACATCTTTT	TTTGATATGG	ACCCTTCTGG	AAACGTTGTA	ACAAGGAAGG
4741	ATGGGGCCAAG	ACTCAGTTAG	GAGGCATAAA	TCTGCCCGGA	ATAAACTAGG	CCAGGATACA
	TACCCGGTTC	TGAGTCAATC	CTCCGTATTT	AGACGGGCCT	TATTTGATCC	GGTCCTATGT
4801	GCCATGTTTA	GTTAATAATT	TGGTTTTAGA	ATTCACACAG	GCAGGATTGG	TTTTTTTGTG
	CGGTACAAAT	CAATTATTAA	ACCAAAATCT	TAAGTGTGTC	CGTCCTAACC	AAAAAAACAC
4861	TCTTGGCAAG	TGGAGCATAT	TTAACATACA	GGCATGGGAA	TCCTGCCTCT	TAGCTTTTCC
	AGAACCGTTC	ACCTCGTATA	AATTGTATGT	CCGTACCCTT	AGGACGGAGA	ATCGAAAAGG
4921	CACCTCTTTG	TCTCACCAAG	TTTTTTCTCT	CCAAAGGTTT	CCAGGAATTT	CTCATTAATG
	GTGGGAGAAC	AGAGTGGTTC	AAAAAAGAGA	GGTTTCCAAA	GGTCCTTAAA	GAGTAATTAC
4981	GCTGATGCAA	ACTTAGTGAA	TAATAATGAA	TATAAACAAT	GCTCACCTCA	CCAAAATTAT
	CGACTACGTT	TGAATCACTT	ATTATTACTT	ATATTTGTTA	CGAGTGGAGT	GGTTTTAATA
5041	ATTATTTGCA	GTCATTTGTG	ATAACACAAA	TTTTATCGCA	ATGGTTATTA	TTTAATTTGT
	TAATAAACGT	CAGTAAACAC	TATTGTGTTT	AAAATAGCGT	TACCAATAAT	AAATTAAACA
5101	GGCCACACAC	TGTGGTTATC	TTTTGTTGTG	GTTGTTTCTG	AGAAAATGTT	CTTGATATG
	CCGGTGTGTG	ACACCAATAG	AAAACAACAC	CAACAAAGAC	TCTTTTACAA	GAACCTATAC
5161	TAAGTGCCAA	TACCAGTGTG	AAGTATTGAT	CCCGGGCAGC	AAAATACAGC	CTAAGGTTTG
	ATTCACGGTT	ATGGTCACAC	TTCATAACTA	GGGCCCGTCG	TTTTATGTCT	GATTCCAAAC
5221	TAAACATCAA	TTCTATCTCA	GTTCATCAGA	GGGCCTGAGA	AGCTGCGGGG	CAGTGTAAGG
	ATTTGTAGTT	AAGATAGAGT	CAAGTAGTCT	CCCGGACTCT	TCGACGCCCC	GTCACATTTT
5281	TAAAGTATGC	TGGGCTGGTG	GTGGTCAGCC	TCCCCTTGCC	AAGAAGAGAG	CAATTGAATC
	ATTTCATACG	ACCCGACCAC	CACCAGTCGG	AGGGGAACGG	TTCTTCTCTC	GTAACTTAG
5341	CTGTCCCCAG	CTCCCTCCAC	GCCTGAAGAG	TGACCAGTGC	TGGCCCGACG	GATCGCTGAG
	GACAGGGGTC	GAGGGAGGTG	CGGACTTCTC	ACTGGTCACG	ACCGGGCTGC	CTAGCGACTC
5401	ATATTCTCCC	ATAATGGCAA	AAAAATAGGC	AGTTTGATGT	GACCTGTTTA	GTGTGGCTCT
	TATAAGAGGG	TATTACCGTT	TTTTTATCCG	TCAAACCTACA	CTGGACAAAT	CACACCGAGA
5461	CCTCTTTTGA	GCATGTGTTA	GCATTTTTAT	TTTATACTCA	TCCAGTGAAC	TCTGCTCTTC
	GGAGAAAAC	CGTACACAAT	CGTAAAAATA	AAATATGAGT	AGGTCACTTG	AGACGAGAAG

Figure 19 (con't)

PDE10A compiled

5521	CAAGTGTGTT	CATGTATGTG	CTAGATATAT	TAGCACAGCC	TGCCTTCTGC	TGCACAACGC
	GTTACACAAA	GTACATACAC	GATCTATATA	ATCGTGTCGG	ACGGAAGACG	ACGTGTTGCG
5581	CTTAGAGACC	CGGCCTTTCA	ATGAGCTTAG	CTTGTGCTCT	GTTTCTGCTC	TCTTAGGTCT
	GAATCTCTGG	GCCGGAAGT	TACTCGAATC	GAACACGAGA	CAAAGACGAG	AGAATCCAGA
5641	AAACTATGGT	GTCAGTTTTA	ATAGAACAAA	AGTATGCATC	TTGCCTTGCC	TTGAGCCTTT
	TTTGATACCA	CAGTCAAAAT	TATCTTGTTT	TCATACGTAG	AACGGAACCG	AACCTCGGAAA
5701	TCGTTTTCAA	TGCTGACTTC	TCCCCTTTCT	CTCCTGTGCT	CACCTTACCT	TTCCAGAGTG
	AGCAAAAGTT	ACGACTGAAG	AGGGGAAAGA	GAGGACACGA	GTGGAATGGA	AAGGTCTCAC
5761	TAAGGGACAA	CTTTTAAGGA	GGCGTGTCCC	TGGTAGGGGC	ATCCCTGTTT	ACCAGGTGCC
	ATTCCCTGTT	GAAAATTCCT	CCGCACAGGG	ACCATCCCCG	TAGGGACAAG	TGGTCCACGG
5821	TGTCATCACC	CCACTTGACT	GACATCTACC	CTGGTGACTA	TGGGTTCCCT	TTGTTTGTAG
	ACAGTAGTGG	GGTGAAGTGA	CTGTAGATGG	GACCACTGAT	ACCCAAGGAG	AACAAACATC
5881	GGAAACGGTG	CTCCAGGTGG	AGGCATCAAT	CTGTTGGGTT	CTGGTTCCCG	GCTGCCTTTG
	CCTTGCCACC	GAGGTCCACC	TCCGTAGTTA	GACAACCCAA	GACCAAGGGC	CGACGGAAAC
5941	GTTTTGAAAG	TCTCTTCTCT	GTATATTCTT	ACCCTGCATT	TGCTTTGTGT	GGTGCTGATG
	CAAAACTTTC	AGAGAAGAGA	CATATAAGGA	TGGGACGTAA	ACGAAACACA	CCACGACTAC
6001	CTGTGGCAGT	AGGATCTTGG	ATGACTCTCC	ATCAGTCACA	GACTCCCCCT	GTTGCAAAGT
	GACACCGTCA	TCCTAGAACC	TACTGAGAGG	TAGTCAGTGT	CTGAGGGGGA	CAACGTTTCA
6061	GTCAGGCTGA	CTCGACAGTC	ACCGTAAAT	CTGAGTCAGT	CACACACAGG	CTGTGAGCCA
	CAGTCCGACT	GAGCTGTCAG	TGGCATTTTA	GACTCAGTCA	GTGTGTGTCC	GACAGTCGGT
6121	CGGCTTCCAC	TTGCATGGCT	ATTCTATTTT	CACACGTGAG	TTTCTGTTGC	TGGCTGGCTG
	GCCGAAGGTG	AACGTACCGA	TAAGATAAAA	GTGTGCACTC	AAAGACAACG	ACCGACCGAC
6181	ACTGGCATT	TCTATGCTAA	GTTGAAATCA	GGAGTGTGCC	CAGCAGAGCC	CATCATTCTC
	TGACCGTAAT	AGATACGATT	CAACTTTAGT	CCTCACACGG	GTCGTCTCGG	GATGTAAGAG
6241	ACTGTCTTTG	AAACAAAGCT	GTACGGTTTG	ATCGATGAAC	GTATTTAAAG	CATTTTCATGC
	TGACAGAAAC	TTTGTTCGA	CATGCCAAAC	TAGCTACTTG	CATAAATTTT	GTAAAGTACG
6301	AATGACAAAG	TGCTCAGTAG	TGGAAGGCAG	GCTGTGACCA	GTCTGCCTGC	TCCTTACTAT
	TTACTGTTTC	ACGAGTCATC	ACCTTCCGTC	CGACACTGGT	CAGACGGACG	AGGAATGATA
6361	AATTGTGAGG	ATTTGTTACT	GGAACAGTAC	ATGGAGGCCT	GACCTTGTGG	GGGCACAGGG
	TTAACTACTC	TAAACAATGA	CCTTGTCATG	TACCTCCGGA	CTGGAACACC	CCCGTGTCCC
6421	TGGAACCTTA	GCTGAATATA	GTGTGTGTCT	CAAGAGGAAG	TCAGGGTACT	AGCTCAGTGC
	ACCTTGGAAT	CGACTTATAT	CACACACAGA	GTTCTCCTTC	AGTCCCATGA	TCGAGTCACG
6481	TCAATCTCCA	GGTACTATAT	ATACATTTGC	CCGTTTTATC	TCTAATGTGA	AATAAATCCC
	AGTTAGAGGT	CCATGATATA	TATGTAAACG	GGCAAAATAG	AGATTACACT	TTATTTAGGG
6541	CAAACACTTG	TTTATCGTGT	AGCGTACCTA	AAAGACTATT	CTATTATGGG	TGTCCCCACT
	GTTTGTGAAC	AAATAGCACA	TCGCATGGAT	TTTCTGATAA	GATAATACCC	ACAGGGGTGA
6601	TTCTTGGTTT	GGTCACCCCG	ATCCCCCGGT	CTTCTGCTGT	ATCTAGAACA	GTGACTATAA
	AAGAACCAAA	CCAGTGGGGC	TAGGGGGCCA	GAAGACGACA	TAGATCTTGT	CACTGATATT
6661	ATGATGTATG	GGAATAGTGT	TTCCATATGA	TCTGTTGTCT	GGAGTATATG	CTACATGTTT
	TACTACATAC	CCTTATCACA	AAGGTATACT	AGACAACAGA	CCTCATATAC	GATGTACAAG
6721	ATTTACTGTA	CAAAAACCCA	GTGCAGCTGA	TGATGCAAAG	CAGTCTCTCT	CTGTGTACAG
	TAAATGACAT	GTTTTTGGGT	CACGTCGACT	ACTACGTTTC	GTCAGAGAGA	GACACATGTC
6781	TGCCCCACCT	ATTTAAAAAT	CACGTACAAN	CCCAGAACAC	TGTGAAACAC	TTAACATAAG
	ACGGGGTGGG	TAAATTTTTT	GTGCATGTTN	GGGTCTTGTG	ACACTTTGTG	AATTGTATTG
6841	AAACAAACGC	AGCGTCTGGA	TTCTTTCCAA	GGAGAGCAGC	TTTCTCCACA	GGAACACAGT
	TTTGTTCGCG	TCGCAGACCT	AAGAAAGGTT	CCTCTCGTCG	AAAGAGGTGT	CCTTGTGTCA

Figure 19 (con't)

PDE10A compiled

6901	AACAAAAGAG	GTCCGCCGCC	ATCCACACCC	AGCCAAGACA	CCTCAGAGGC	CATAGGGACA
	TTGTTTTCTC	CAGGCGGCGG	TAGGTGTGGG	TCGGTTCTGT	GGAGTCTCCG	GTATCCCTGT
6961	ACCTCCTTGC	TGGCCAACAC	CTGCTGGAGC	AGGGCACAGG	TCCCAGCAAC	TGATCCTCAG
	TGGAGGAACG	ACCGGTTGTG	GACGACCTCG	TCCCGTGTCC	AGGGTCGTTG	ACTAGGAGTC
7021	TGGATGGGTC	CGCAGTCAAA	GCCTTAATGG	GCTCTCTTTT	GAAGGGGAAA	GAAANNTTTC
	ACCTACCCAG	GCGTCAGTTT	CGGAATTACC	CGAGAGAAAA	CTTCCCCTTT	CTTTNNAAG
7081	AAGCTTATGA	TATCCAACAT	TATTATAGTT	GATGAGTTAG	TAAATTCCGA	AAAAAAAAGA
	TTCGAATACT	ATAGGTGTGA	ATAATATCAA	CTACTCAATC	ATTTAAGGCT	TTTTTTTTCT
7141	TGATTTTATA	TGTATGACAT	AAAAAAAATC	TTTGTAAAGT	GCGCAAGTGC	AATAATTTAA
	ACTAAAATAT	ACATACTGTA	TTTTTTTTTAG	AAACATTTCA	CGCGTTCACG	TTATTAAATT
7201	AGAGGTCTTA	TCTTTGCATT	TATAAATTAT	AAATATTGTA	CATGTGTGTA	ATTTTTCATG
	TCTCCAGAAT	AGAAACGTAA	ATATTTAATA	TTTATAACAT	GTACACACAT	TAAAAAGTAC
7261	TATTCATTTG	CAGTCTTTGT	ATTTAAAAAA	ACTTTACTGT	TATGTTTGTA	TAATAGAACA
	ATAAGTAAAC	GTCAGAAACA	TAAATTTTTT	TGAAATGACA	ATACAAACAT	ATTATCTTGT
7321	TTAATCATTT	ATTATAACTC	AGACAAGGTG	TAAATAAATT	CATAATTCAA	ACAGCCAGTA
	AATTAGTAAA	TAATATTGAG	TCTGTTCCAC	ATTTATTTAA	GTATTAAGTT	TGTCGGTCAT
7381	TATATGCATA	TATGGGTGTT	ACATTGCAAA	AATCTCTATC	TTTGTCTAT	TCACATGCTT
	ATATACGTAT	ATACCCACAA	TGTAACGTTT	TTAGAGATAG	AAACAAGATA	AGTGACGAA
7441	AAAGAAGTAA	GAAATCTTTT	GTGGATATGT	AATTATACAT	ATAAAGTATA	TATATATGTA
	TTTCTTCATT	CTTTAGAAAA	CACCTATACA	TTAATATGTA	TATTTCATAT	ATATATACAT
7501	TGATACATGA	AATATATTTA	GAAATGTTCA	TAATTTTAAT	GGATATTCTT	TGGTGTGAAT
	ACTATGTACT	TTATATAAAT	CTTTACAAGT	ATTAAAATTA	CCTATAAGAA	ACCACACTTA
7561	AATTGAATAC	AACATTTTTA	AAATGAAAAA	AAAAAAAAAA	AAAAAAAAAA	AAAAAAA
	TTAACTTATG	TTGTAAAAAT	TTTACTTTTT	TTTTTTTTTT	TTTTTTTTTT	TTTTTTTTT